

MCD - ASSOC.VCEplus.premium.exam.60q

Number: MCD - ASSOC
Passing Score: 800
Time Limit: 120 min
File Version: 1.0



Website: <https://vceplus.com>

VCE to PDF Converter: <https://vceplus.com/vce-to-pdf/>

Facebook: <https://www.facebook.com/VCE.For.All.VN/>

Twitter : https://twitter.com/VCE_Plus

MCD - ASSOC

MuleSoft Certified Developer – Integration and API Associate (Mule 3)

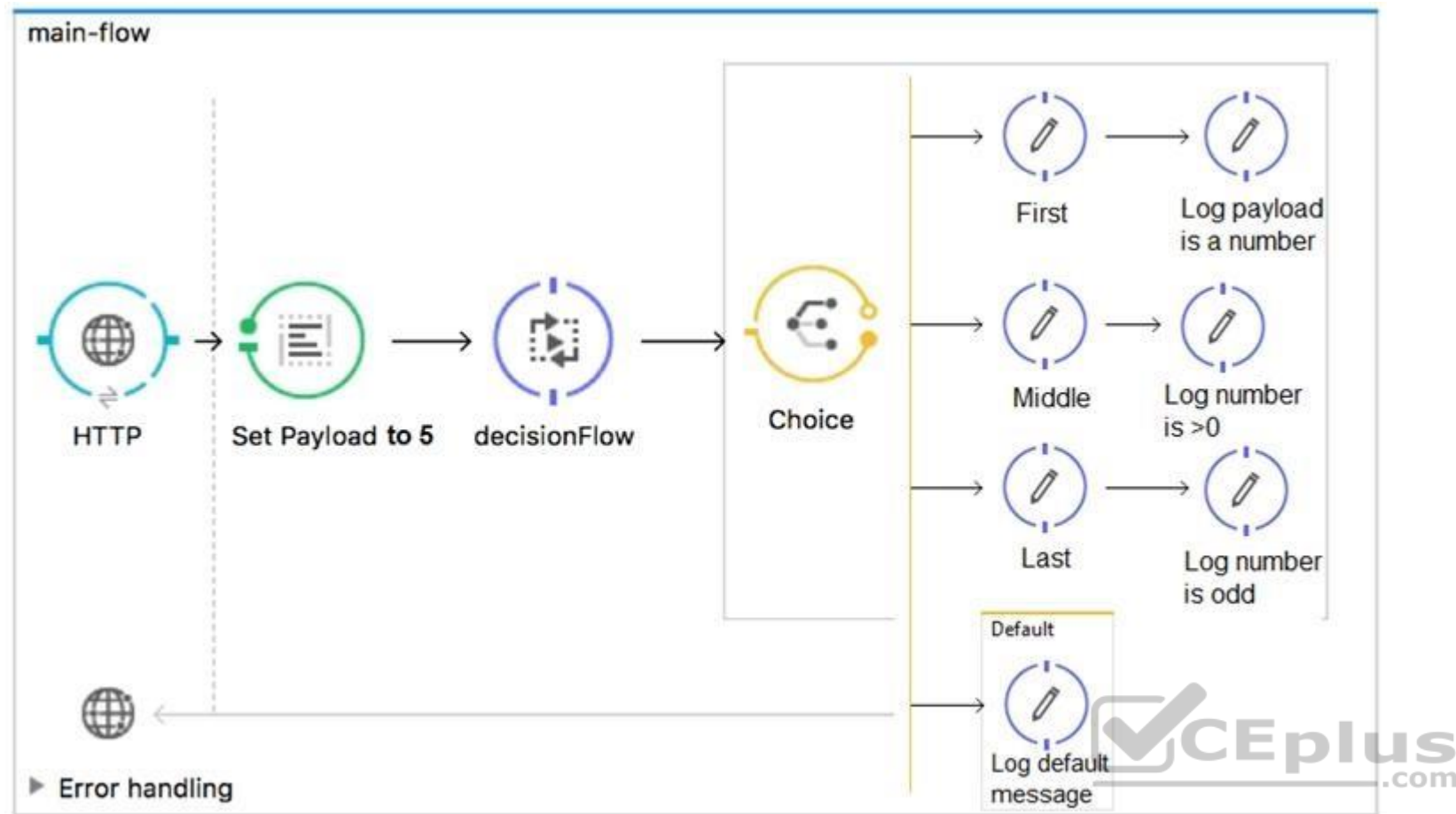


Version 1.0

Exam A

QUESTION 1

Refer to the exhibit. All three of the conditions for the Choice router are true. What message processors are executed?



- A. First
- B. First, Default
- C. First, Middle, Last
- D. First, Middle, Last, Default

Correct Answer: C

Section: (none)

Explanation

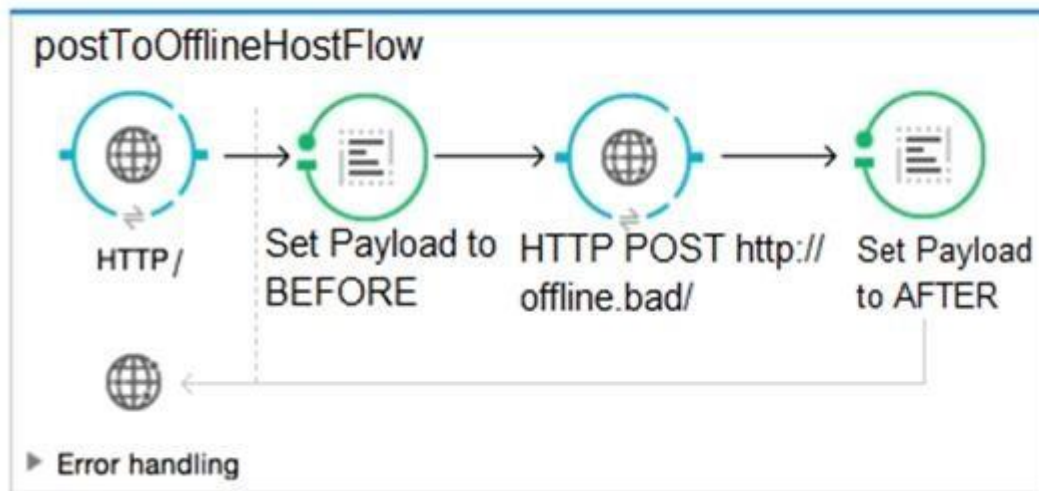
Explanation/Reference:

Reference: <https://docs.mulesoft.com/mule-runtime/3.9/choice-flow-control-reference>

QUESTION 2 Refer to the exhibits. A Mule application is configured to use the globalErrorHandler exception handler.

When the flow is executed, a request is made to a host that is currently offline and a Java exception is thrown with the message "Error sending HTTP request to http://offline.bad:80/_".

What response is returned to a web client request to postToOfflineHostFlow's HTTP Listener?



- A. AFTER
- B. BEFORE
- C. Error sending HTTP request to http://offline.bad:80/
- D. GLOBAL ERROR

Correct Answer: C

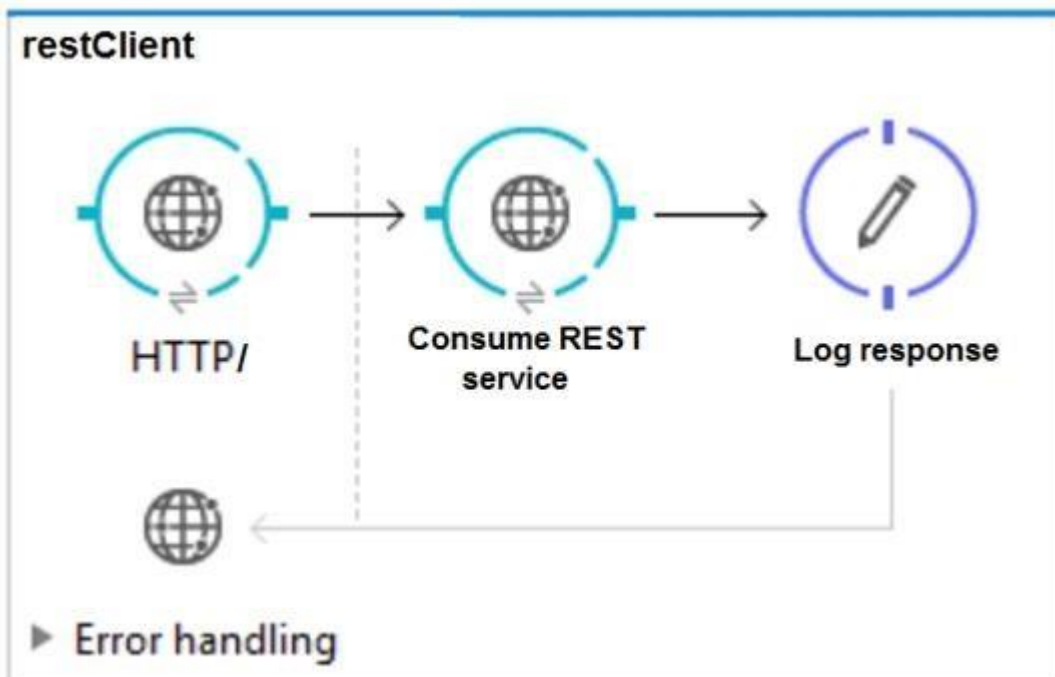
Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

Refer to the exhibits. The http:request has failed with a Timeout exceeded error. What HTTP Request parameter must be modified to resolve this error?



```
*****
Message      : Error sending HTTP request to http://localhost:8082/.
Payload      : {NullPayload}
Payload Type  : org.mule.transport.NullPayload
Element      : /restClient/processors/0 @ mcd-assoc-4.01.02-ram-rest-consumer-error:rest-
consumer-error.xml:25
Element XML   : <http:request config-ref="HTTP_Request_Configuration_localhost8082"
path="/" method= "GET" doc:name=
-----
-----
```

Root Exception stack trace:

```
java.util.concurrent.TimeoutException: Timeout exceeded

    at com.ning.http.client.providers.grizzly.GrizzlyAsyncHttpProvider.timeout
(GrizzlyAsyncHttpProvider.java:433)
    at com.ning.http.client.providers.grizzly.GrizzlyAsyncHttpProvider$3.onTimeout
(GrizzlyAsyncHttpProvider.java:281)
    at org.glassfish.grizzly.utils.IdleTimeoutFilter$DefaultWorker.doWork
(IdleTimeoutFilter.java:402)
    at org.glassfish.grizzly.utils.IdleTimeoutFilter$DefaultWorker.doWork
(IdleTimeoutFilter.java:381)
    at org.glassfish.grizzly.utils.DelayedExecutor$DelayedRunnable.run(DelayedExecutor.java:158)
    at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1142)
    at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:617)
    at java.lang.Thread.run(Thread.java:745)
```

- A. Client Certificate Timeout
- B. Transaction Timeout
- C. Connect Idle Timeout
- D. Response Timeout

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://help.mulesoft.com/s/article/Getting-Error-sending-HTTP-request-when-sending-request-using-http-requester>

QUESTION 4

Refer to the exhibit. What DataWeave expression transforms the input to the output?

json_1.json

```
[
  {
    "orderID": 592,
    "shipping": "international",
    "item": "T-shirt Navy",
    "size": "L",
    "quantity": 1,
    "price": 20
  },
  {
    "orderID": 972,
    "shipping": "domestic",
    "item": "Cargo shorts",
    "size": "L",
    "quantity": 2,
    "price": 30
  }
]
```

Output Payload

```
1 @dw 1.0
2 %output application/xml
3
4
5 ---
6
7
8
9
10
11
12
13
14
15
16
```

```
<?xml version='1.0' encoding='UTF-8'?>
<order>
  <item>
    <itemName>T-shirt Navy</itemName>
    <total>20</total>
  </item>
  <item>
    <itemName>Cargo shorts</itemName>
    <total>60</total>
  </item>
</order>
```

```
order:
  ((
    payload map item: {
      itemName: $.item,
      total: $.price * $.quantity
    }
  ))
order:
  payload map item: {(
    itemName: $.item,
    total: $.price * $.quantity
  )}
  ((
    payload map order: { item:
      itemName: $.item,
      total: $.price * $.quantity
    }
  ))
payload map order: item: {
  itemName: $.item,
  total: $.price * $.quantity
}
```



A.

B.

C.

D.

Correct Answer: A

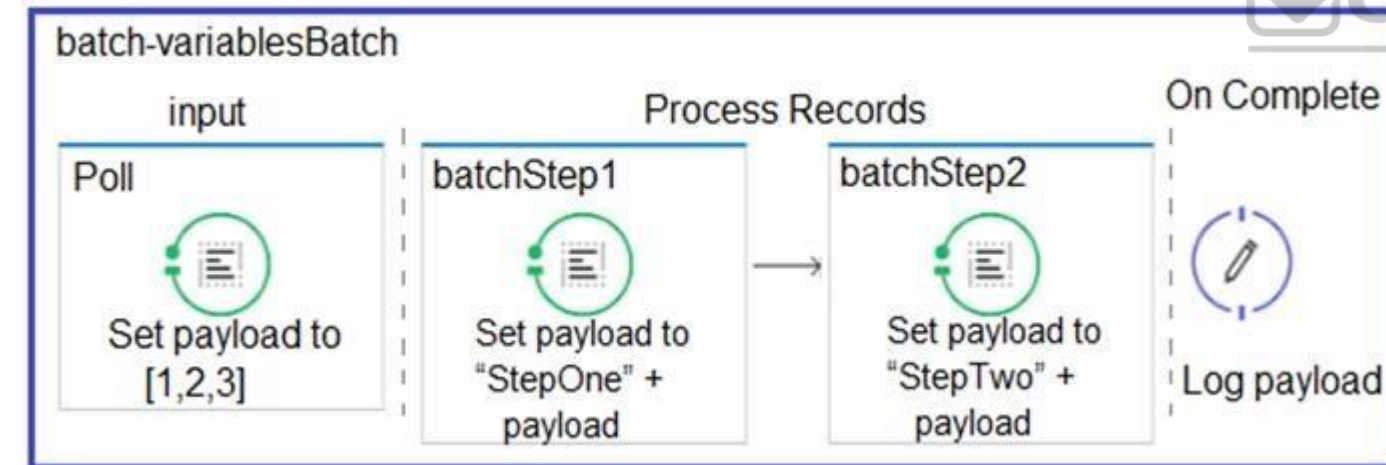
Section: (none)

Explanation/Reference:

Reference: <https://blogs.mulesoft.com/dev/anypoint-platform-dev/weaving-it-with-dataweave-expression/>

QUESTION 5

Refer to the exhibit. What is the output payload in the On Complete phase?



A. The records processed by all batch steps: [StepTwoStepOne1, StepTwoStepOne2, StepTwoStepOne3]

B. Summary statistics with NO record data

C. The original payload: [1,2,3]

D. The records processed by the last batch step: [StepTwo1, StepTwo2, StepTwo3]

Correct Answer: D

Section: (none)

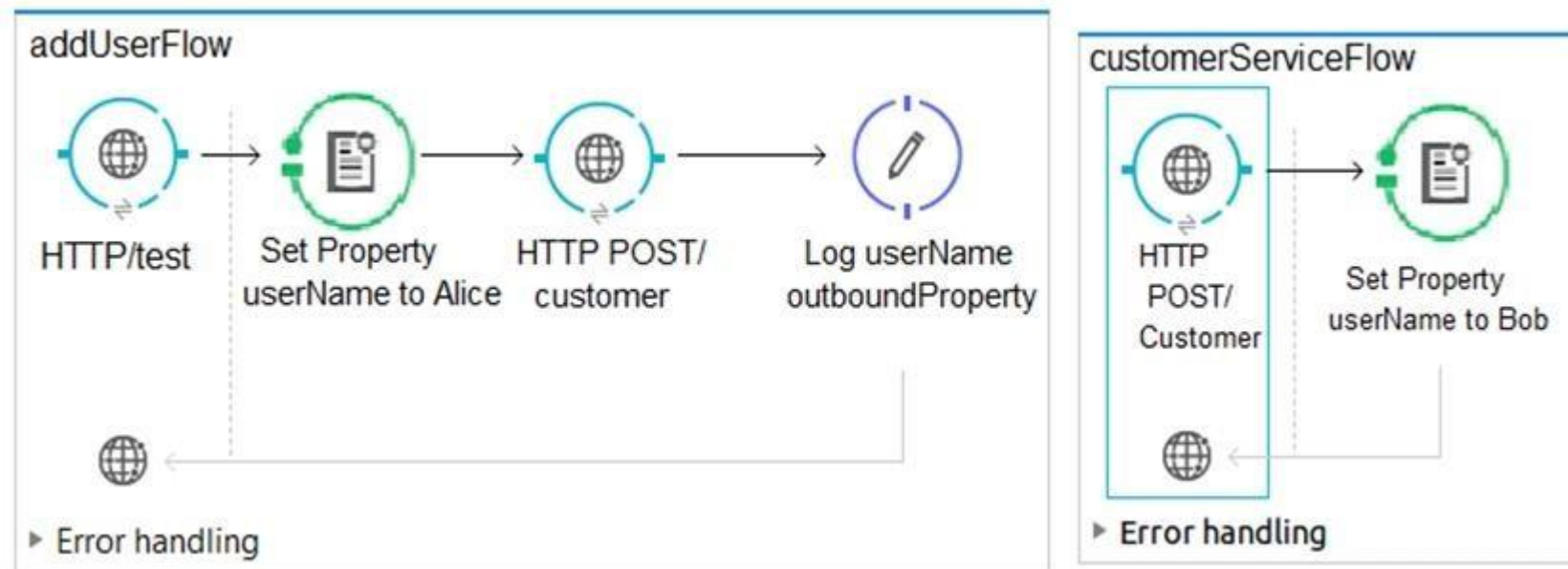
Explanation

Explanation/Reference:

Reference: <https://docs.mulesoft.com/mule-runtime/4.2/batch-processing-concept>

QUESTION 6

Refer to the exhibits. What value is logged after a web client submits a request to `http://localhost:8081/test?userName=Cindy`?



```
<flow name= "addUserFlow">
  <http:listener config-ref="HTTP_listener_Conf" path="/*" doc:name= "HTTP
/test"/>
  <set-property propertyName="userName" value="#['Alice']" doc:name= "Set
Property userName to Alice" />
  <http:request config-ref= "HTTP_Request_Conf" path="customer" method=
"POST" doc:name= "HTTP POST /customer" />
  <logger message= "#[message.outboundProperties.userName]" level= "INFO"
doc:name= "Log userName outboundProperty"/>
</flow>

<flow name= "customerServiceFlow">
  <http:listener config-ref= "HTTP_Listener_Conf" path="/customer"
doc:name="HTTP POST /customer" allowedMethods="POST">
    <http:response-builder>
    </http:response-builder>
  </http:listener>
  <set-property propertyName= "userName" value= "#['Bob']" doc:name= "Set
Property userName to Bob" />
</flow>
```

- A. null
- B. Alice
- C. Cindy
- D. Bob

Correct Answer: A

Section: (none)

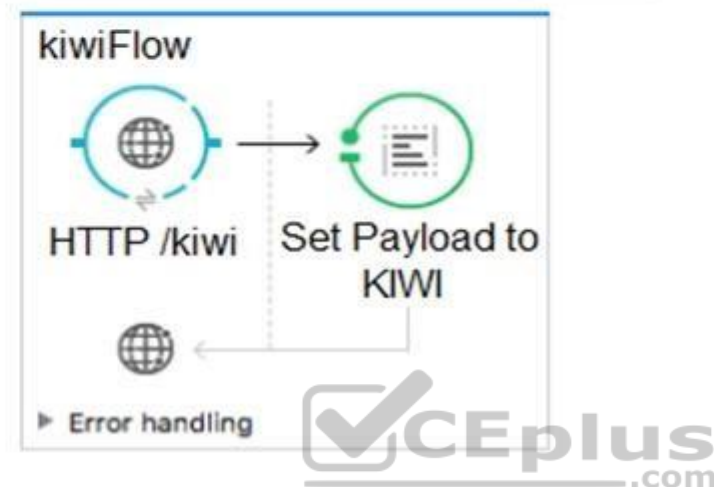
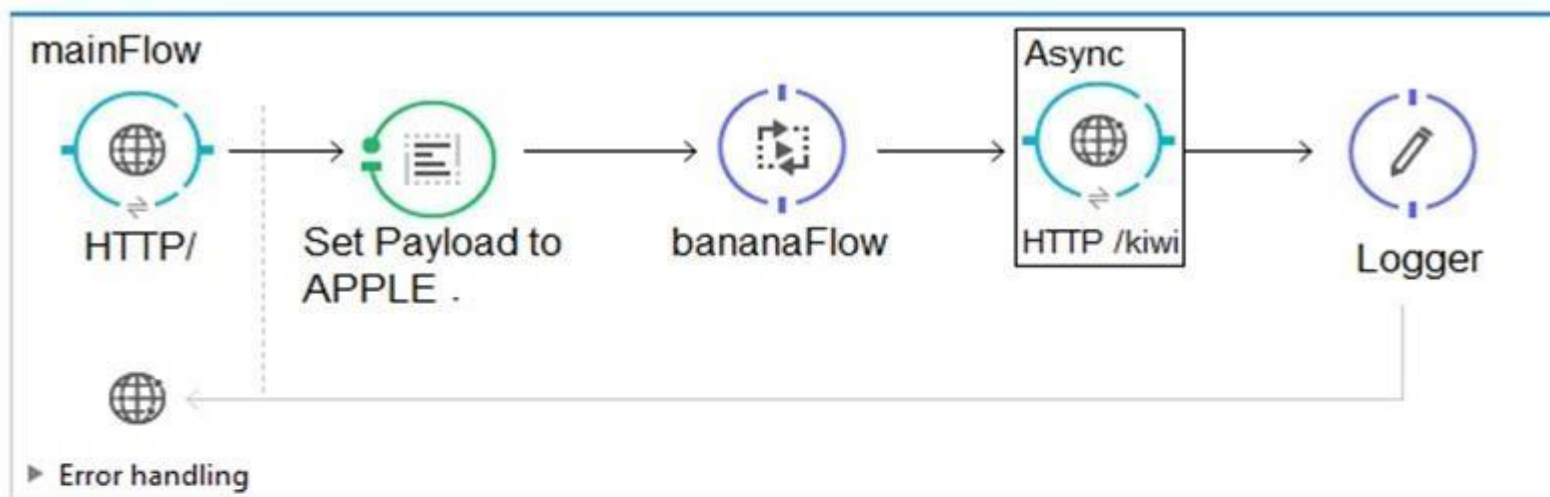
Explanation

Explanation/Reference:

QUESTION 7

Refer to the exhibits. What is the expected payload at the end of mainFlow?





```
<flow name="mainFlow">

  <http:listener config-ref= "HTTP_Listener_Configuration"
    path="/" doc:name= "HTTP "/" />
  <set-payload value= "APPLE" doc:name= "Set Payload to APPLE"/>

  <flow-ref name= "bananaFlow" doc:name= "bananaFlow" />
  <async doc:name= "Async">
    <https:request config-ref= "HTTP_Request_Configuration" path= "/kiwi" method= "GET"
doc:name= "HTTP /kiwi" />
  </async>
  <logger level= "INFO" doc:name= "Logger"/>
</flow>

<flow name="bananaFlow">
  <set-payload value= "BANANA" doc:name= "Set Payload to BANANA"/>

</flow>
<flow name= "kiwiFlow" processingStartegy= "synchronous">
  <http:listener config-ref= "HTTP_Listener_Configuration" path="/kiwi" doc:name=
"HTTP /kiwi"/>
  <set-payload value= "KIWI" doc:name= "SetPayload to KIWI"/>
</flow>
```



- A. KIWI
- B. APPLE
- C. Null
- D. BANANA

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8 A RAML specification is defined to manage customers with a unique identifier for each customer record. What URI does Mulesoft recommend to uniquely access the customer identified with the unique ID 1234?

- A. /customers/1234
- B. /customers?operation=get&custid=1234
- C. /customers/custid=1234
- D. /customers?custid=1234

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://dzone.com/articles/designing-api-with-raml>

QUESTION 9 What valid RAML retrieves details on a specific order by its orderId as a URI parameter? A.

```
/orders:
  get:
    /{orderId}:
/orders
  get:
    /orderId:
/orders:
  /orderId:
    get:
/orders:
  / (orderId) :
    get:
```

B.

C.

D.



Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://raml.org/developers/raml-100-tutorial>

QUESTION 10

A Transform Message component receives the XML payload:

```
<order orderId= 'PO1234'>
  <customer>
    <customerName>John Doe</customerName>
    <country>UK</country>
  </customer>
</order>
```

What is the DataWeave expression to output the orderId string "PO1234"?

- A. payload.order.orderId
- B. payload.orderId
- C. payload.order.@orderId

D. payload.@orderId

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

There are two types of accounts: personal and business. How can an accountType parameter be specified in RAML so <http://localhost/acme/accounts?accountType=personal> is a valid request to the implementation?

```
uriParameters:
  accountType:
    -personal
    -business
queryParameters:
  accountType:
    -personal
    -business
queryParameters:
  accountType:
    enum:
      -personal
      -business
uriParameters
  accountType:
    enum:
      -personal
      -business
```



A.

B. C.

D.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

Refer to the exhibit. What should be changed to fix the 400 Bad Request error?

```

#%RAML 1.0
title: ACME Telecom API
version: 1.0
baseUri: http://localhost/acme

/accounts:
  post:
    body:
      application/json:
        example:
          {
            "account_id": "562-123-3456"
            "plan": "all-inclusive"
          }

```

https://localhost/acme

POST
https://localhost/acme/accounts
Params

Authorization
Headers
Body
Pre-request Script
Tests

Key	Value	Description
New key	Value	Description

Body
Cookies
Headers (6)
Tests
Status: 400 Bad Re

Pretty
Raw
Preview
JSON

```

1 {
2   "error": "text/plain is not one of the accepted MIME Types
3   for the request body"

```

- A. Set the **request** Content-Type header to application/json
- B. Set the **response** Content-Type header to application/json
- C. Set the **response** Content-Type in the RAML specification to text/plain
- D. Set the **request** Content-Type header to text/plain



Correct Answer: A

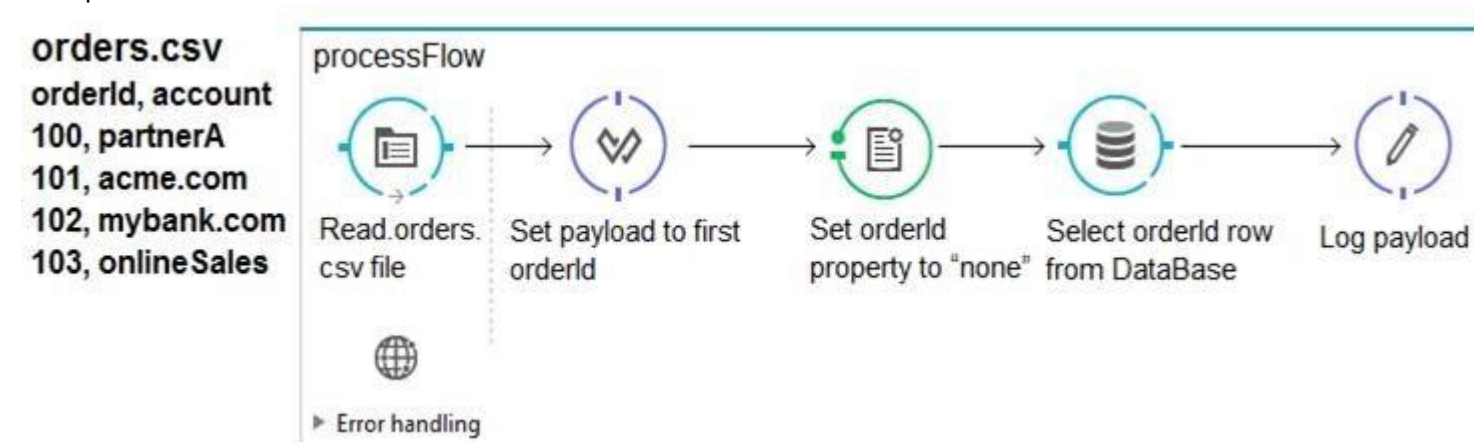
Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

Refer to the exhibit. The orders.csv file is read, then processed to look up the orders from the database. The Mule application is debugged in Anypoint Studio and stops at the breakpoint. What is the payload shown in the debugger at this breakpoint?



- A. "none"
- B. 100
- C. The entire CSV file
- D. The database response

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.mulesoft.com/studio/7.4/mule-debugger-view-reference>

QUESTION 14 In a RAML specification for a banking application, accounts, account_id, and transactions are identified as resources. What resource/method pair retrieves transactions for a specific account_id?

- A. GET /accounts/{account_id}/transactions
- B. POST/accounts/{account_id}
- C. GET/accounts/account_id
- D. PUT/accounts/{account_id}/transactions/{transaction_id}

Correct Answer: A

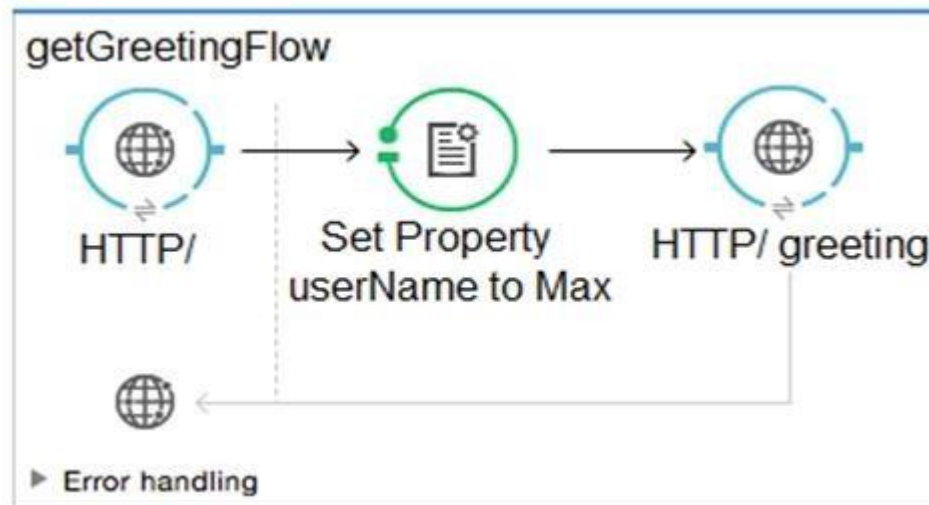
Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

Refer to the exhibits. How is the userName property passed to the outbound HTTP request?



```
<http:listener-config name= "HTTP_Listener_Conf" host= "0.0.0.0" port= "8081" doc:name=
"HTTP Listener Configuration" />
<http:request-config name= "HTTP_Request_Conf" host= "localhost" port= "8081" basePath=
"/" doc:name= "HTTP Request Configuration"/>
<flow name= "getGreetingFlow">
    <http:listener config-ref= "HTTP_Listener_Conf" path= "/" doc:name= "HTTP "/" />
    <set-property propertyName= "userName" value= "#{ 'Max' }" doc:name= "Set Property
userName to Max"/>
    <http:request config-ref= "HTTP_Request_Conf" path= "greeting" method= "GET"
doc:name= "HTTP /greeting"/>
</flow>
```

- A. URI parameter
- B. Body
- C. Query parameter
- D. Header

Correct Answer: D

Section: (none)

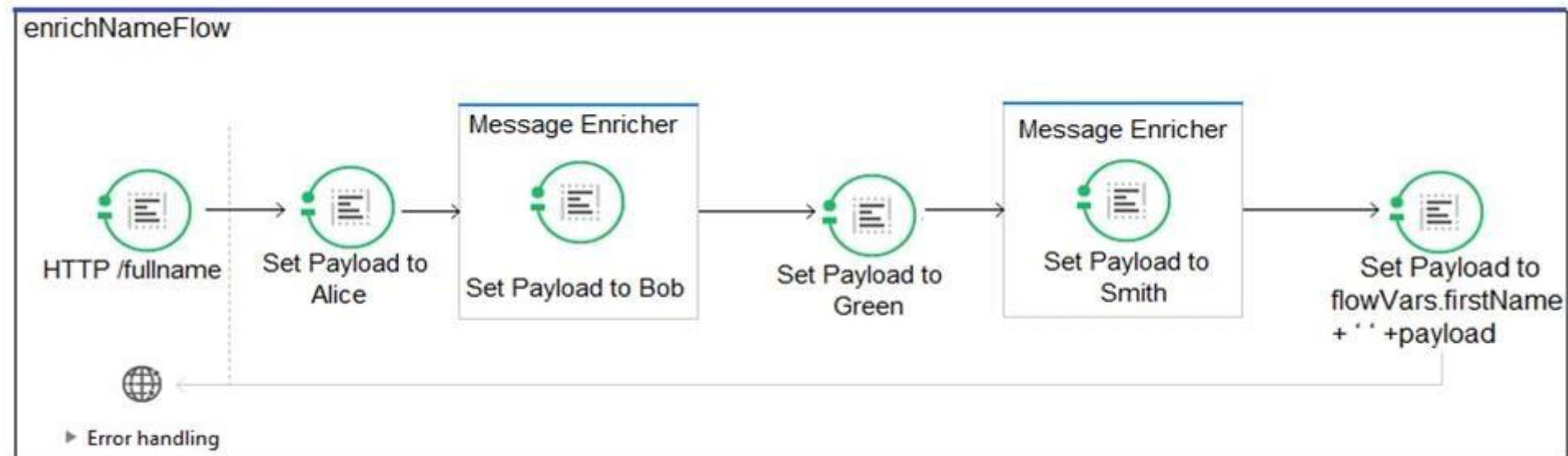
Explanation

Explanation/Reference:



QUESTION 16

Refer to the exhibit. What is the payload at the end of the flow?



```
<flow name= "enrichNameFlow">
  <http:listener config-ref= "HTTP_Listener_Configuration" path= "/fullname"
doc:name= "HTTP /fullname">
  <set-payload value= "#{ 'Alice' }" doc:name= "Set Payload to Alice"/>
  <enricher target= "flowVars.firstName" doc:name= "Message Enricher">
    <set-payload value= "#{ 'Bob' }" doc:name= "Set Payload to Bob" />
  </enricher>
  <set-payload value= "#{ 'Green' }" doc:name= "Set Payload to Green" />
  <enricher target= "flowVars.lastName" doc:name= "Message Enricher">
    <set-payload value= "#{ 'Smith' }" doc:name= "Set Payload to Smith" />
  </enricher>
  <set-payload value= "#{flowVars.firstName + ' ' +payload}"
    doc:name= "Set Payload to flowVars.firstName + ' ' +payload" />
</flow>
```

- A. Bob Green
- B. Bob Smith
- C. Alice Green
- D. Alice Smith

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



QUESTION 17 What authentication data is required to configure a Throttling – SLA based policy in API Manager?

- A. Client id and client secret
- B. OAuth2.0 access token
- C. X.509 client certificate and X.509 server certificate
- D. Username and password

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://help.mulesoft.com/s/article/How-to-use-Basic-Authorization-header-with-Rate-Limiting-SLA-based-policy-in-Mule-4>

QUESTION 18 According to MuleSoft's point of view, how does Central IT enable the new IT operating model?

- A. Distributes passwords to databases and backend systems to allow direct access by line of business developers to deliver faster
- B. Combines and shares API specifications like a product to drive consumption by line of business developers
- C. Invests in new cloud technology to enable Central IT to develop complete line of business applications faster
- D. Builds all API implementations and restricts line of business developers from building implementations to save costs and enforce standards

Correct Answer: B

Section: (none)

Explanation

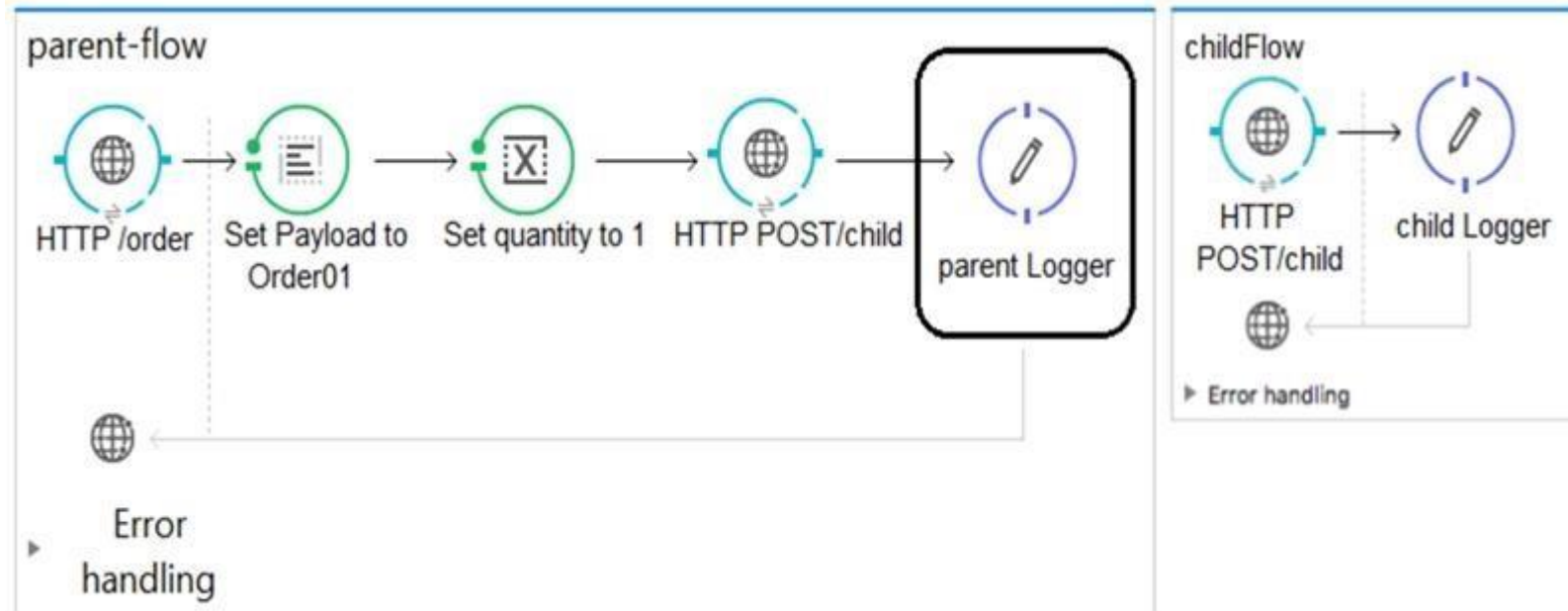
Explanation/Reference:

Reference: <https://www.mulesoft.com/press-center/trends/create-value-api-economy>

QUESTION 19

Refer to the exhibits. The parentFlow contains an HTTP Request in the middle of the flow. The HTTP Listeners and HTTP Request use default configurations.

What values are accessible to the parent Logger at the end of parentFlow after a web client submits a request to <http://localhost:8081/order?color=red?>



```

<http:request config-ref= "HTTP_Request_Configuration" path= "child"
method = "POST" doc:name= "HTTP POST /child"/>
<logger level= "INFO" doc:name= "parent Logger"/>
</flow>
<flow name= "childFlow">
  <http:listener config-ref= "HTTP_Listener_Configuration" path=
"/child" allowedMethods= "POST" doc:name= "HTTP POST/child"/>
  
```

- A. payload
B. payload
C. quantity var
D. payload
color query param
quantity var
color query param

Correct Answer: B

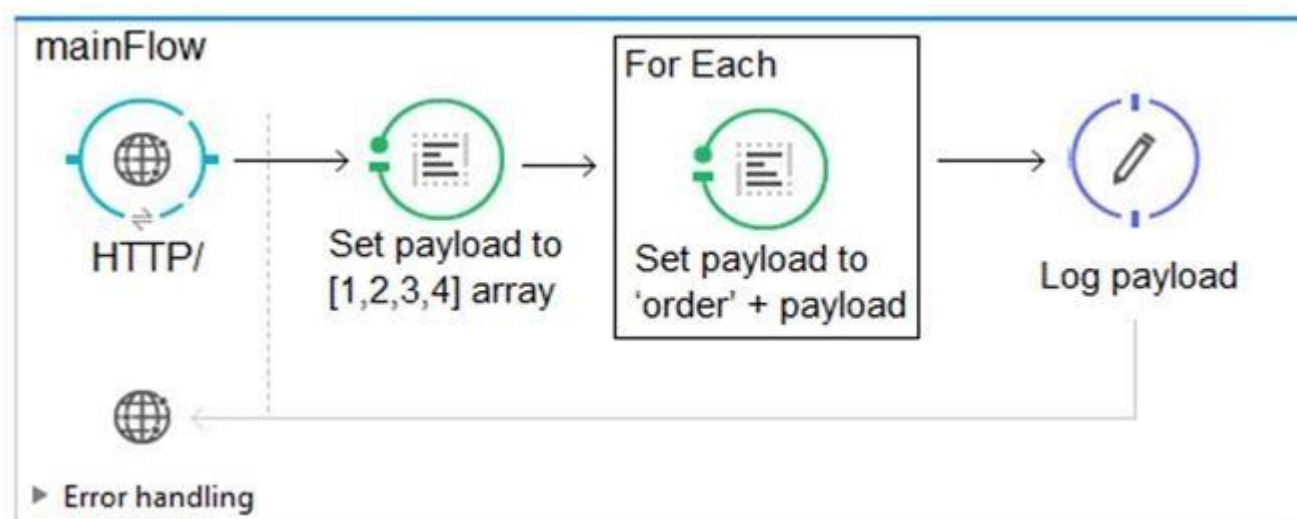
Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

Refer to the exhibit. What payload is logged at the end of the mainFlow?



```

<flow name= "mainFlow">
<https: listener config-ref= "HTTP_Listener_Configuration" path=
"/" doc:name= "HTTP" />

<set-payload value= '#{[1,2,3,4]}' doc:name= "Set payload to
[1,2,3,4] array" />

<foreach doc:name= "For Each - counter" collection=
 '#{message.payload}'>
  <set-payload value= '#{ 'order' + message.payload}' doc:name=
  "Set payload to 'order' + payload" />
</foreach>
<logger message= '#{message.payload}' level= "INFO"
doc:name= "Log payload" />
</flow>
  
```

- A. [order1, order2, order3, order4]
- B. [1,2,3,4]
- C. [order4]
- D. order4

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

Refer to the exhibits. What is the root cause of the error?

From ferry-service.xml

```
<http:listener-config name= "HTTP_Listener_Configuration1"
  host= "0.0.0.0" port= "8081" doc:name= "HTTP Listener Configuration" />
<flow name= "getFerryService">
  <http:listener config-ref= "HTTP_Listener_Configuration1" path= "/" doc:name= "HTTP" />
</flow>

<set-variable variableName= "name" doc:name= "Set apDestination from destination"
value= "John"/>
<logger level= "INFO" doc:name= "Log apDestination"/>
</flow>
```

From global.xml:

```
<https:listener-config.name= "HTTP_Listener_Configuration"
  host= "0.0.0.0" port= "8081" doc:name= "HTTP Listener Configuration" />
<http:request-config.name= "HTTP_Request_Configuration" host= "0.0.0.0" port= "8081"
  doc:name= "HTTP Request Configuration"/>
```

```
ERROR 2017-08-04 11:27:17, 085 [main]
org.mule.module.launcher.application.DefaultMuleApplication: null
org.mule.api.MuleRuntimeException: A server in port(8081)already exists for ip(0.0.0.0) or
one overlapping it (0.0.0.0).
    at
org.mule.module.http.internal.listener.HttpListenerConnectionManager.createServer
(HttpListenerConnectionManager.java:95)
~ [mule-module-http-3.8.5.jar:3.8.5]
    at org.mule.module.http.internal.listener.DefaultHttpListenerConfig.initialise
(DefaultHttpListenerConfig.java:183) ~ [mule-module-http-3.8.5.jar:3.8.5]
    at sun.reflect.GeneratedMethodAccessor11.invoke(Unknown Source) ~[?:]
    at sun.reflect.DelegatingMethodAccessorImpl.invoke
(DelegatingMethodAccessorImpl.java:43) ~[?:1.8.0_65]
    at java.lang.reflect.Method.invoke(Method.java:497) ~[?:1.8.0_65]
    at org.mule.lifecycle.phases.DefaultLifecyclePhase.applyLifecycle
(DefaultLifecyclePhase.java:237) ~ [mule-core-3.8.5.jar:3.8.5]
    at org.mule.lifecycle.phases.MuleContextInitializePhase.applyLifecycle
(MuleContextInitializePhase.java:71) ~ [mule-core-3.8.5.jar:3.8.5]
    at org.mule.lifecycle.RegistryLifecycleCallback.doApplyLifecycle
(RegistryLifecycleCallback.java:99) ~ [mule-core-3.8.5.jar:3.8.5]
```

- A. The value of the host property "0.0.0.0" is invalid
- B. There are two HTTP Listener configurations bound to the same host
- C. The value of the host property "0.0.0.0" is bound to different ports
- D. There are two HTTP Listener configurations bound to the same port number 8081

Correct Answer: C

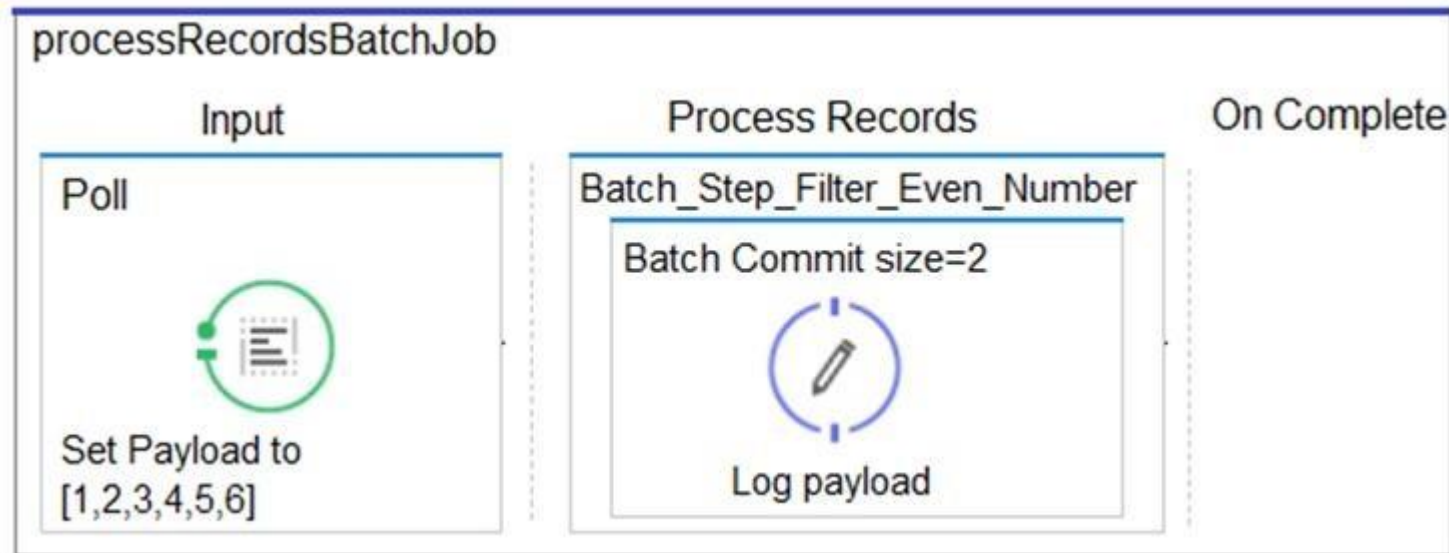
Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

Refer to the exhibits. The Batch Job processes, filters, and commits records. What is the expected output from the Logger component when this Mule application runs?



```
<batch:job name= "processRecordsBatchJob">
  <batch:input>
    <poll doc:name= "Poll">
      <fixed-frequency-scheduler frequency= "10" timeUnit=
"SECONDS"/>
      <set-payload value= "[1,2,3,4,5,6]" doc:name= "Set Payload
to [1,2,3,4,5,6]"/>
    </poll>
  </batch:input>
  <batch:process-records>
    <batch:step name= "Batch_Step_Filter_Even_Number" accept-expression=
"#[(payload % 2) == 0]"/>
      <batch:commit size="2" doc:name= "Batch Commit size-2">
        <logger message= "[payload]" level= "INFO" doc:name= "Log
payload"/>
      </batch:commit>
    </batch:step>
  </batch:process-records>
</batch:job>
```

- A. [2,4]
[6]
- B. [1,2,3,4,5,6]
- C. [1,2]
[3,4]
[5,6]
- D. [2,4,6]

Correct Answer: A

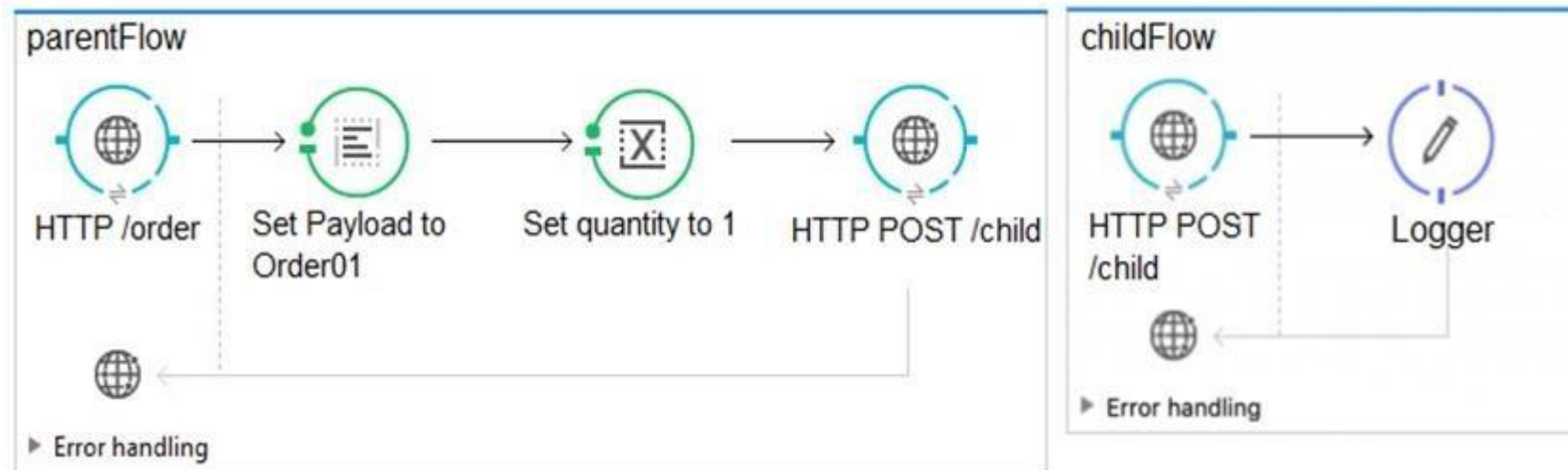
Section: (none)

Explanation

Explanation/Reference:

QUESTION 23 Refer to the exhibits. The parentFlow contains an HTTP Request. The HTTP Listeners and HTTP Request use default configurations.

What values are accessible in childFlow after a web client submits a request to <http://localhost:8081/order?color=red?>



```
<http:request config-ref= "HTTP_Request_Configuration" path=
"child" method= "POST" doc:name= "HTTP POST /child"/>
</flow>
<flow name= "childFlow">
  <http:listener config-ref= "HTTP_Listener_Configuration" path=
"/child" allowedMethods= "POST" doc:name= "HTTP POST /child"/>
```

- A. payload B. payload
- quantity var C. payload color query param D. payload quantity var color query param

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

What three elements are used in RAML specifications?

(Choose three.)

- A. Service

- B. Method
- C. Response
- D. PortType
- E. Resource

Correct Answer: BCE

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.mulesoft.com/api-manager/1.x/designing-your-api>

QUESTION 25 What is the uniform interface used by RESTful web services?

- A. RPC
- B. JMS
- C. HTTP
- D. SOAP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.mulesoft.com/resources/api/what-is-rest-api-design>

QUESTION 26

A Mule application has a single File connector configured. A flow in the Mule application has a File connector endpoint in the message source and another File connector endpoint as a message processor in the flow. What is the behavior of these two components?

- A. The source reads files and the processor writes files
- B. The source and processor both read files
- C. The source writes files and the processor reads files
- D. The source and processor both write files

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

A Mule application is created with an HTTP inbound endpoint defined to receive custName and accountType as query parameters. The accountType is captured using a Set Variable transformer with the same name. What is the correct MEL expression for logging accountType?

- A. #[message.inboundProperties.accountType]
- B. #[message."http.query.params".accountType]
- C. #[flowVars.accountType]
- D. #[message.outboundProperties.accountType]

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://dzone.com/articles/mule-3-variables-and-property-transformer>

QUESTION 28

Refer to the exhibit. What is the correct syntax to add an employee ID as a URI parameter in the HTTP Listener path?

General Settings

Connector Configuration:   

Basic Settings

Path:

- A. \${employeeID}
- B. #[employeeID]
- C. {employeeID}D. (employeeID)

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://help.mulesoft.com/s/question/0D52T00004mXWrdSAG/uri-params-in-http-connector-mule4>

QUESTION 29

Refer to the exhibit. What action will resolve the exception?

```
<spring:beans>
  <spring:bean id= "DerbyDB" name= "DerbyDB" class=
"org.enhydra.jdbc.standard.StandardDataSource">
    <spring:property name= "url" value=
"jdbc:derby://localhost:1527/memory:training"/>
    <spring:property name= "driverName" value=
"org.apache.derby.jdbc.ClientDriver"/>
  </spring:bean>
</spring:beans>
<db:derby-config name= "Derby_Configuration" dataSource-ref= "DerbyDB" doc:name=
"Derby Configuration"/>
<http:listener-config name= "HTTP_Listener_Configuration" host= "0.0.0.0" port=
"8081"
  doc:name= "HTTP Listener Configuration"/>
<flow name= "miaFlow">
  <http:listener config-ref= "HTTP_Listener_Configuration" path= "/" doc:name=
"HTTP"/>
  <db:select config-ref= "Derby_Configuration" doc:name= "Database">
    <db:parameterized-query><![CDATA[SELECT * FROM accounts]]>
  </db:parameterized-query>
  </db:select>
</flow>
```

Message Flow Global Elements Configuration XML


```

mcd-assoc-3.06.03-george-mia [Mule Applications] /Library/Java/JavaVirtualMachines/jdk1.8.0_112.jdk/Contents/Home/bin/java (Nov 9, 2017, 9:55:13 AM)
*****
Message      : org.mule.module.db.internal.domain.connection.ConnectionCreationException: Error trying to load driver:
org.apache.derby.jdbc.ClientDriver : Cannot load class 'org.apache.derby.jdbc.ClientDriver' (java.sql.SQLException)
Payload      : {NullPayload}
Payload Type  : org.mule.transport.NullPayload
Element      : /Derby_Configuration @ app:mia.xml:16 (Derby Configuration)
Element XML   : <db:select config-ref= "Derby_Configuration" doc:name= "Database">
                  <db:parameterized-query> SELECT * FROM accounts</db: parameterized-query>
                  </db:select>

```

- A. Create the accounts table in the database
- B. Ensure the database is accessible
- C. Implement org.apache.derby.jdbc.ClientDriver
- D. Add a JDBC driver to the project's build path

Correct Answer: C

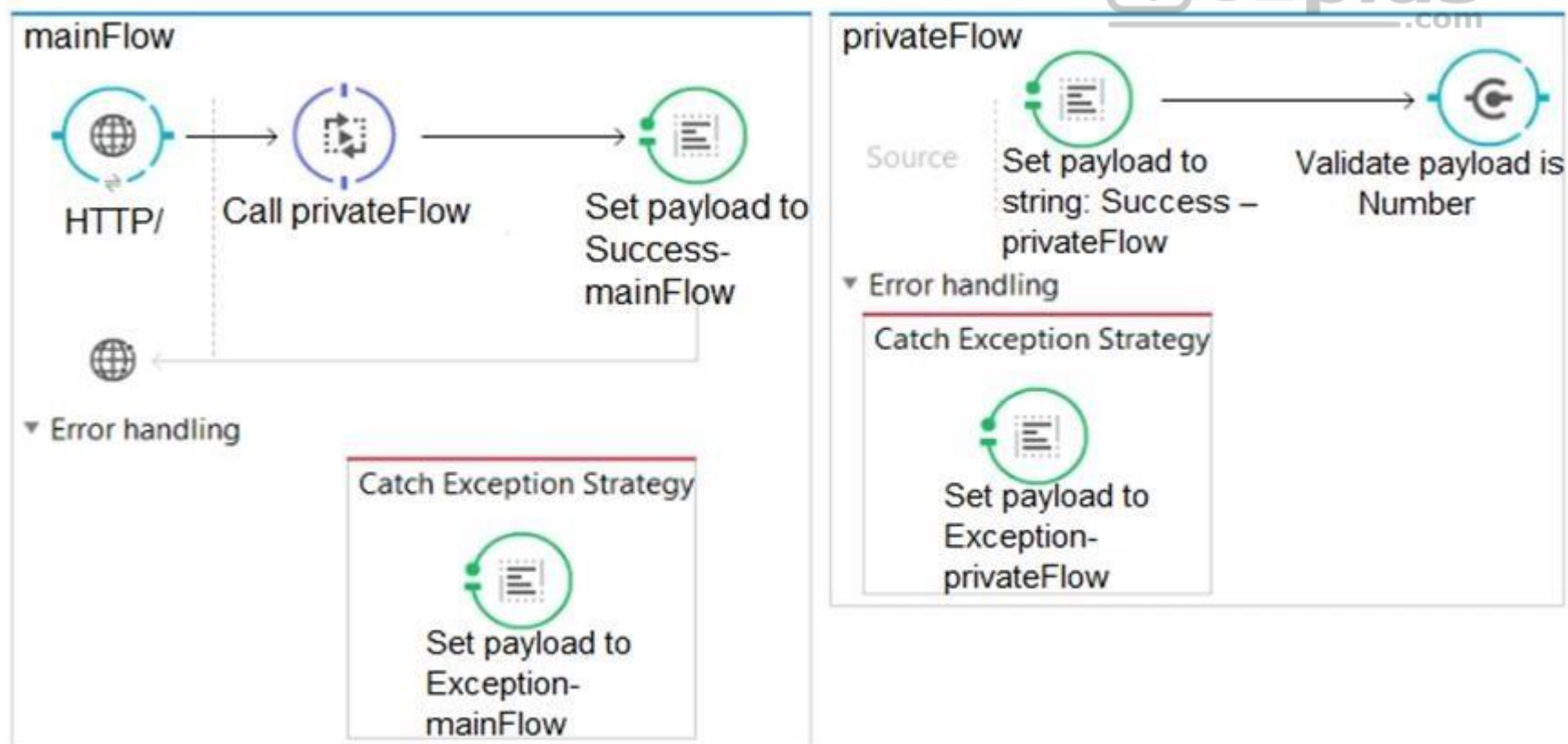
Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

Refer to the exhibit. The Validation component in privateFlow throws an exception. What response message is returned to a client request to mainFlow's HTTP Listener?



- A. Success – privateFlow

- B. Exception – mainFlow
- C. Exception – privateFlow
- D. Success – mainFlow

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31 To avoid hard-coding values, a flow uses some property placeholders and the corresponding values are stored in a configuration file.

Where does the configuration file's location need to be specified in the Mule application?

- A. A global element
- B. mule-deploy.properties
- C. A flow property
- D. mule-app.properties

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://blogs.mulesoft.com/dev/mule-dev/how-to-read-a-properties-file-in-mule/>

QUESTION 32 A Database endpoint executes a SELECT statement and gets no results. What payload is returned by this endpoint?

- A. 0
- B. Empty list
- C. null
- D. Exception

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://help.mulesoft.com/s/question/0D52T00004mXTstSAG/getting-nullpayload-in-the-result>

QUESTION 33 Why would a Mule application use the \${http.port} property placeholder for its HTTP Listener port when it is deployed to CloudHub?

- A. Allow clients to VPN directly to the application at the Mule application's configured HTTP port
- B. Allows MuleSoft Support to troubleshoot the application by connecting directly to the HTTP Listener
- C. Allows CloudHub to automatically change the HTTP port to allow external clients to connect to the HTTP Listener
- D. Allows CloudHub to automatically register the application with API Manager

Correct Answer: C

Section: (none)

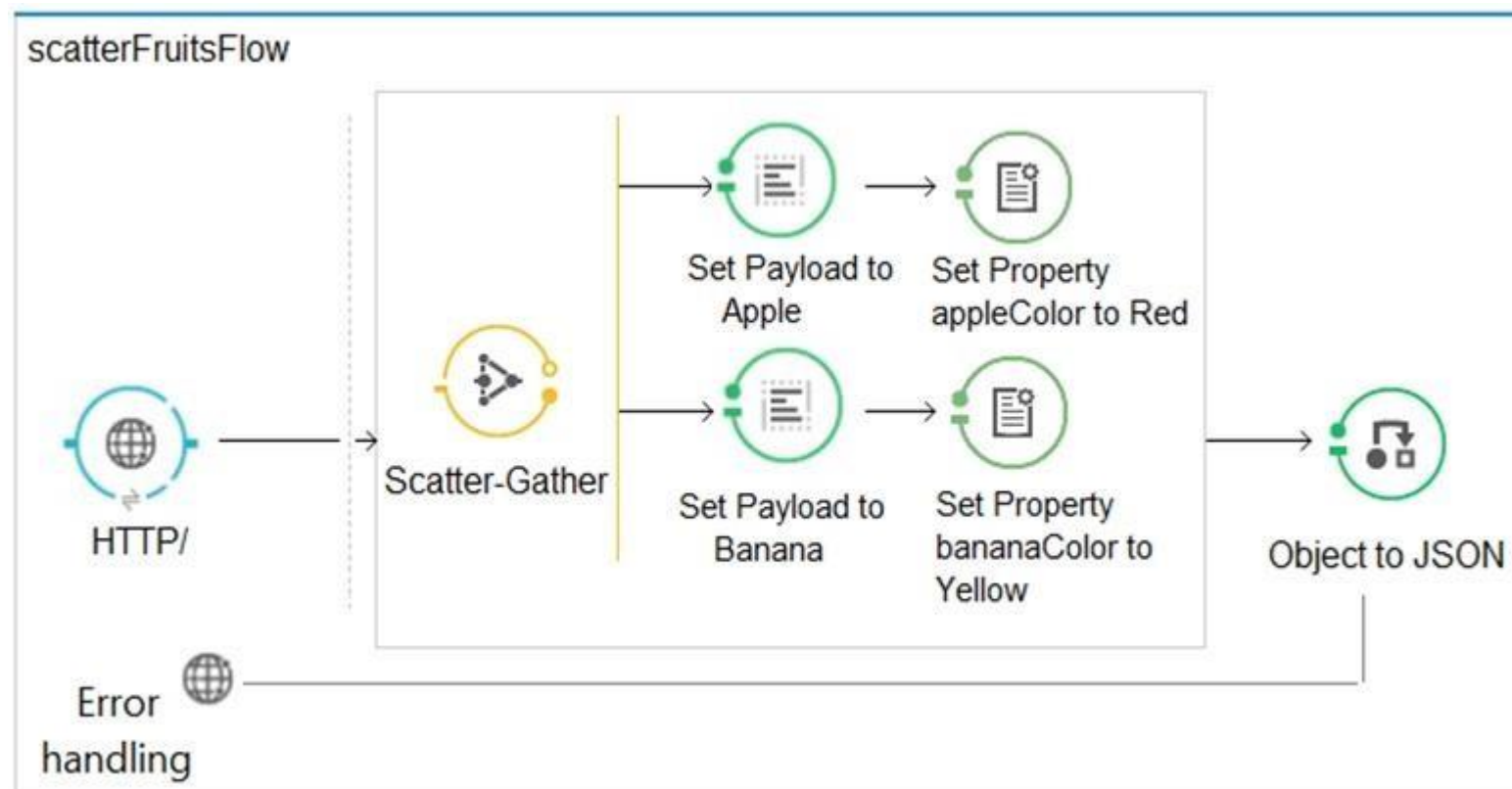
Explanation

Explanation/Reference:

Reference: <https://docs.mulesoft.com/runtime-manager/developing-applications-for-cloudhub>

QUESTION 34

Refer to the exhibit. A web client submits a request to <http://localhost:8081>. What is the structure of the payload at the end of the flow?



```

{
  "0": "Apple",
  "1": "Banana"
}
{
  "inboundProperties": ...,
  "outboundProperties": ...,
  "payload": ["Apple", "Banana"]
}
["Apple", "Banana"]
[
  {
    "inboundProperties": ...,
    "outboundProperties": ...,
    "payload": "Banana"
  },
  {
    "inboundProperties": ...,
    "outboundProperties": ...,
    "payload": "Apple"
  }
]
  
```

A.

B.

C.

D.

Correct Answer: B

Section: (none)

Explanation Explanation/Reference:

QUESTION 35 An SLA based policy has been enabled in API Manager. What is the next step to configure the API proxy to enforce the new SLA policy?

- A. Add new property placeholders and redeploy the API proxy
- B. Restart the API proxy to clear the API policy cache
- C. Add new environment variables and restart the API proxy
- D. Add required headers to the RAML specification and redeploy the new API proxy

Correct Answer: D

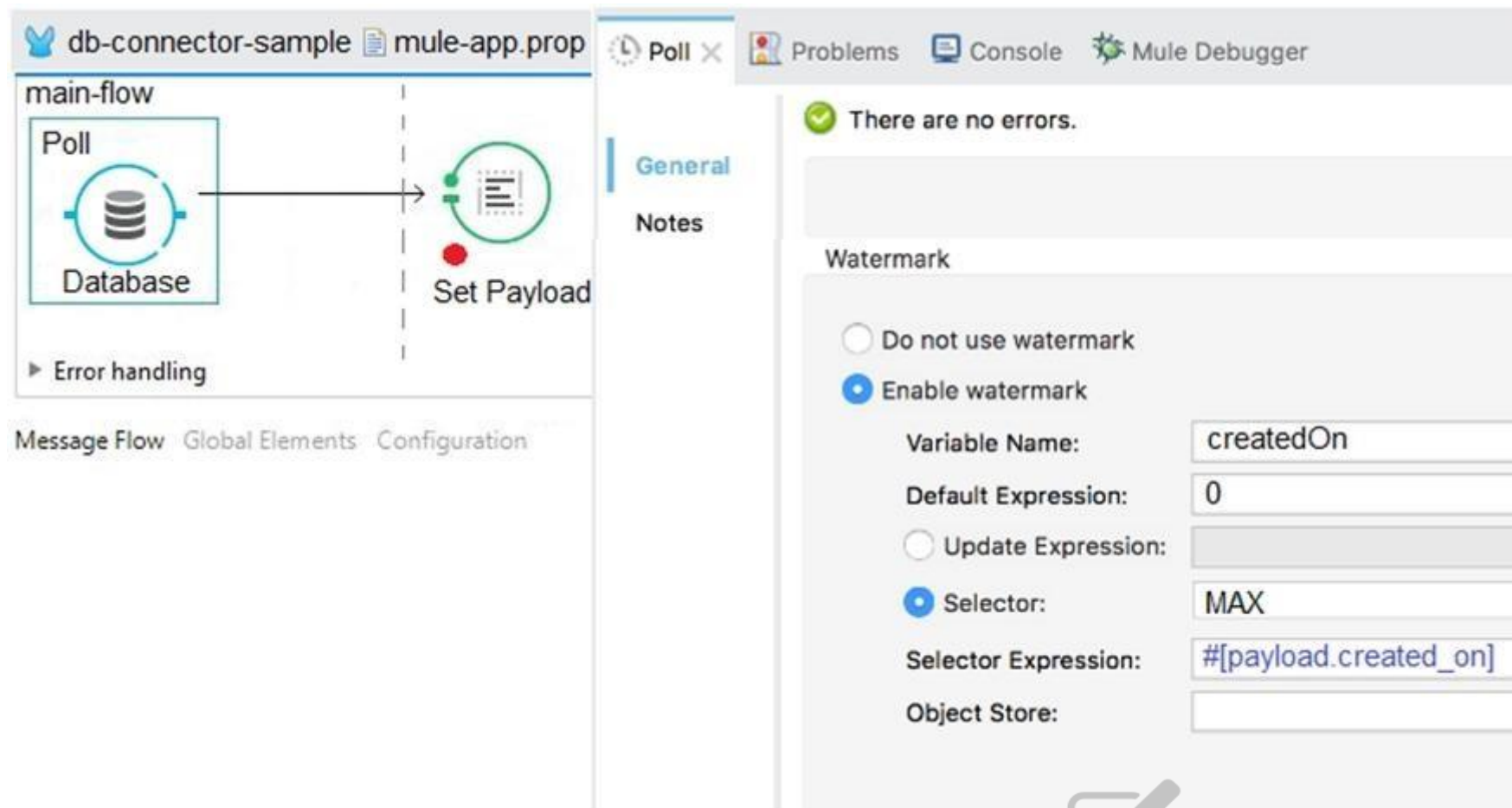
Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

Refer to the exhibit. How is the watermark referenced inside the Set Payload transformer?



- A. #[payload.createdOn]
- B. #[message.inboundProperties.createdOn]
- C. #[flowVars.createdOn]
- D. #[message.outboundProperties.createdOn]

Correct Answer: C

Section: (none)

Explanation

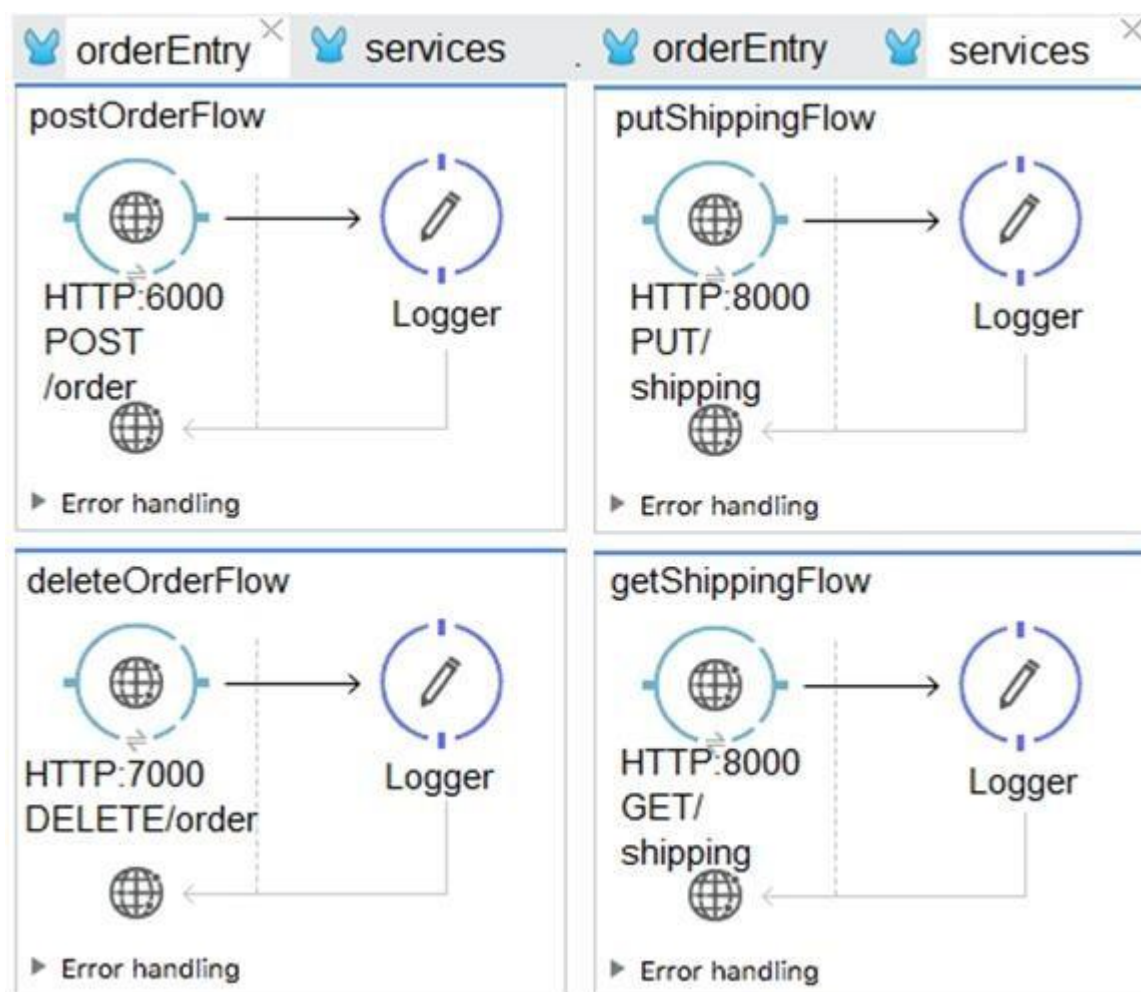
Explanation/Reference:

Reference: <https://docs.mulesoft.com/mule-runtime/3.6/poll-reference>

QUESTION 37

Refer to the exhibits. The two Mule configuration files belong to the same Mule project. Each HTTP Listener is configured with the same host string and the port number, path, and operation values are shown in the display names.

What is the minimum number of global elements that must be defined to support all these HTTP Listeners?



A.....	2
B.....	3
C.....	6
D.....	6
Correct Answer:	6

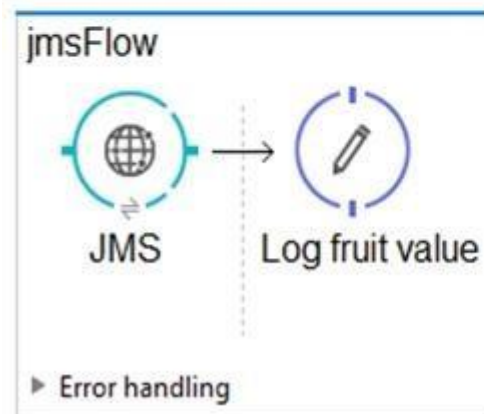
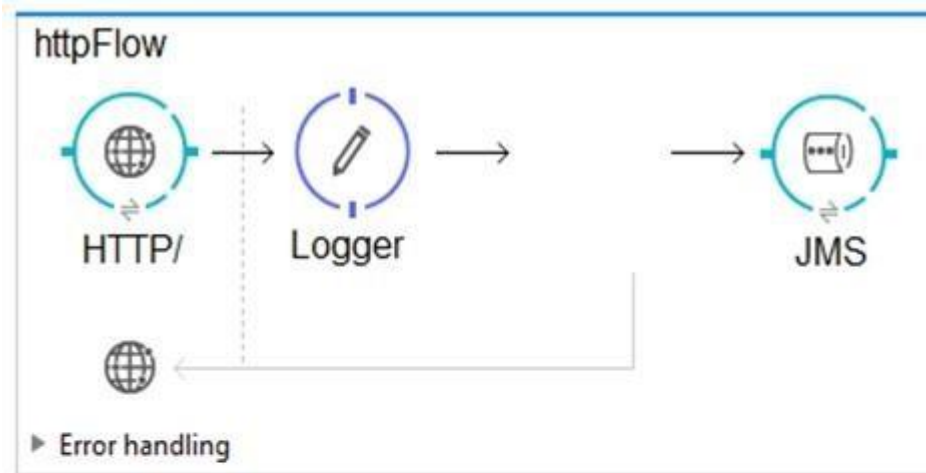
Section: (none)
Explanation

Explanation/Reference:

Reference: <https://docs.mulesoft.com/mule-runtime/3.7/http-listener-connector>

QUESTION 38

Refer to the exhibit. What transformer should be used in the httpFlow so that the fruit value in the request <http://localhost:8081/?fruit=Orange> is accessible in the jmsFlow?



- A. set-record-variable
- B. set-property
- C. set-variable
- D. set-inbound-property

Correct Answer: B

Section: (none)

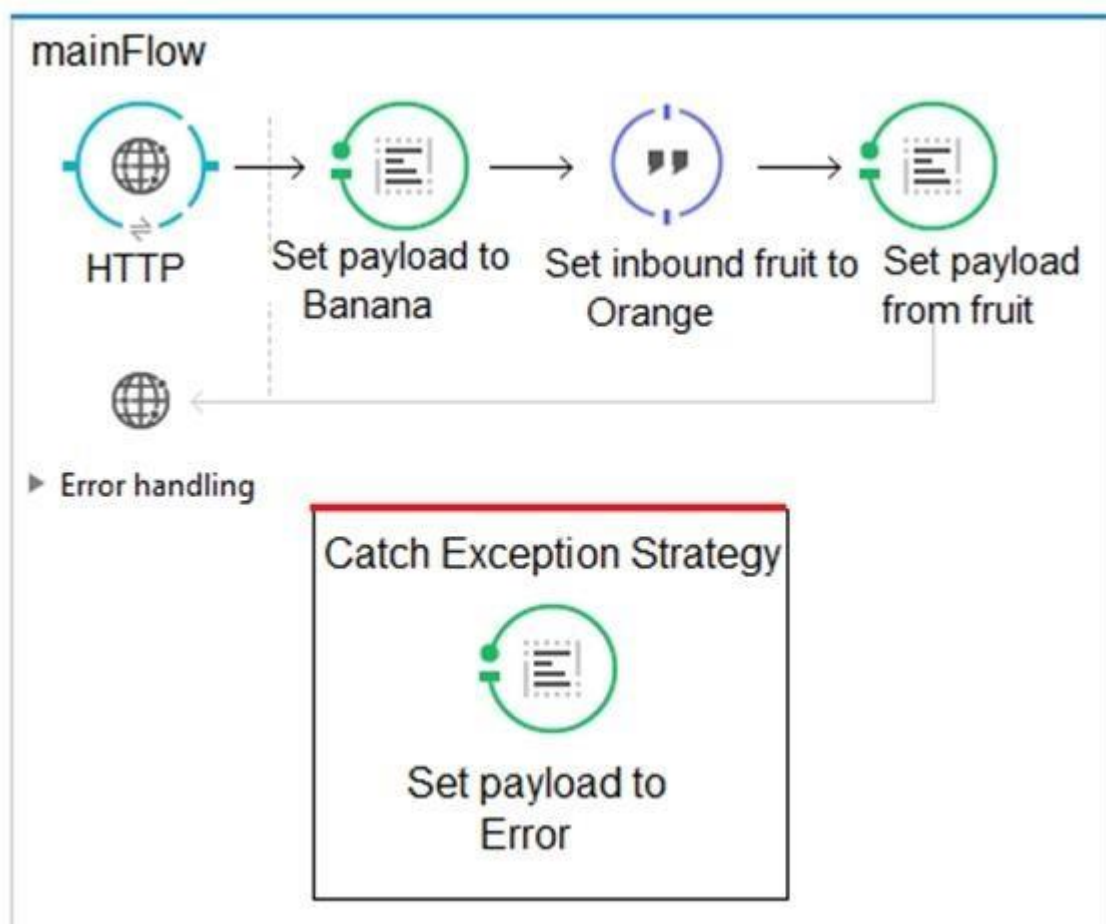
Explanation

Explanation/Reference:

Reference: <https://dzone.com/articles/working-with-headers-in-mule-flows>

QUESTION 39

Refer to the exhibits. A web client calls <http://localhost:8081?fruit=Apple>. What is the payload at the end of the flow?



```
<flow name= "mainFlow">

    <http listener config-ref= "HTTP_Listener_Configuration"
        path= "/" allowedMethods= "GET" doc:name= "HTTP" />

    <set-payload doc:name= "Set payload to Banana"
        value= "#{ 'Banana' }"/>

    <expression-component doc:name= "Set inbound fruit to Orange">
        <![CDATA[message.inboundProperties. 'http.query.params'.fruit= 'Orange']]>
    </expression-component>

    <set-payload doc:name= "Set payload from fruit"
        value= "${message.inboundProperties.'http.inboundProperties.queryParams'.fruit}" />

    <catch-exception-strategy doc:name= "Catch Exception Startegy">

        <set-payload doc:name= "Set payload to Error"
            value = "Error"/>

    </catch-exception-strategy>

</flow>
```



- A. Banana
- B. Error
- C. Orange
- D. Apple

Correct Answer: B

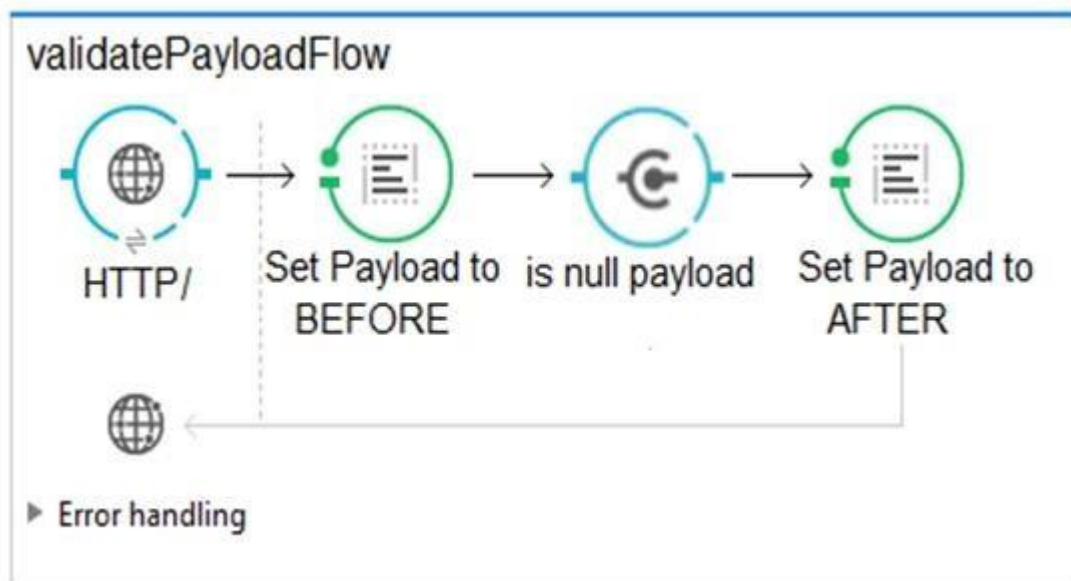
Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

Refer to the exhibits. What is the response to a web client request to http://localhost:8081.?



```

<http:listener-config name= "HTTP_Listener_Conf" host= "0.0.0.0" port=
"8081" doc:name= "HTTP Listener Configuration"/>
<flow name= "validatePayloadFlow">
    <http:listener config-ref= "HTTP_Listener_Conf" path= "/" doc:name=
"HTTP / "/>
    <set-payload value= "#['BEFORE']" doc:name= "Set Payload to
BEFORE"/>
    <validation:is-null message= "#['Payload is null']" value= "#
[payload]" doc:name= "Is null payload"/>
    <set-payload value= "#['AFTER']" doc:name= "Set Payload to AFTER"/>
</flow>
    
```

- A. The string 'AFTER'
- B. The string 'Payload is null'
- C. The string 'BEFORE'
- D. null

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41

Refer to the exhibit. How many private flows does APIkit generate from the following RAML specification?

```
#%RAML 1.0
title: ACME Airlines
version: 1.0
```

```
/flights:
  get:
    responses:
      200:
      404:

/airline:
  get:
    queryParameters:
      code: string
    responses:
      200:
      404:

/accounts:
  get:
    responses:
      200:
      404:
  post:
    responses:
      201:
```



- A. 2
- B. 3
- C. 4
- D. 7

Correct Answer: B

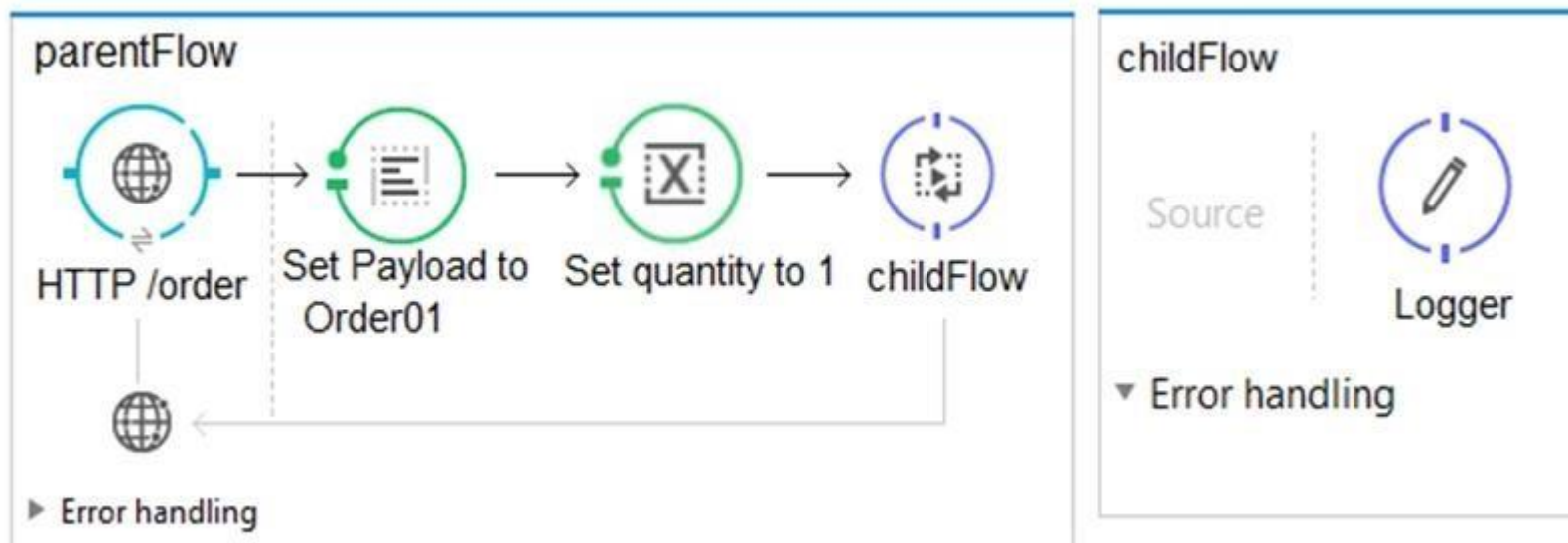
Section: (none)

Explanation

Explanation/Reference:

QUESTION 42 Refer to the exhibit. The parentFlow contains a Flow Reference for childFlow.

What values are accessible in childFlow after a web client submit a request to <http://localhost:8081/order?color=red?>



- A. payload B.
payload
quantity var C.
payload color query
param D. payload
quantity var color
query param

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:



QUESTION 43

Refer to the exhibits. What is valid text to set the user field in the Database connector configuration to the username value specified in the config.properties file?

General

☒ Database configuration parameters

Host:

Port:

User:

Password: ☐ Show password

Database:

config.properties

```

1
2 db.username=mule
3
4
        
```

- A. #[db.username]
B. #[db:username]
C. \${db:username} D. \${db.username} **Correct Answer:** A

Section: (none)
Explanation

Explanation/Reference:

Reference: <https://docs.mulesoft.com/connectors/db/database-documentation>

QUESTION 44 A Mule application contains a global exception strategy configured to catch any exceptions.

Where the global exception strategy must be specified so that this global exception strategy catches all errors from flows without their own exception strategies?

- A. A global element
- B. Nowhere, the global exception strategy is automatically used
- C. The mule-deploy.properties file
- D. A configuration properties file

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

Refer to the exhibit. What DataWeave transformation retrieves the current time?

```
<configuration doc:name= "Configuration">
  <expression-language>
    <global-functions>
      def currentTime() {
        return new java.util.Date()
      }
    </global-functions>
  </expression-language>
</configuration>
```



```
%dw 1.0
%output application/json
---
{
  "currentTime": currentTime()
}
```

A.


```
%dw 1.0
%output application/json
---
{
    "currentTime": lookup(currentTime())
}
```

```
%dw 1.0
%output application/json
---
{
    "currentTime": lookup("currentTime", null)
}
```

```
%dw 1.0
%output application/json
---
{
    "currentTime": p('currentTime')
}
```

B. C.



D.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://dzone.com/articles/data-weave-quick-function-guide>

QUESTION 46 A web client posts a request to <http://localhost:8081?name=john>. What is the correct MEL expression to access the name parameter?

- A. `#[message.payload.outboundProperties. "http.query.params".name]`
- B. `#[message.inboundProperties.'http.uri.params'.name]`
- C. `#[message.payload.inboundProperties. 'http.query.params'.name]`
- D. `#[message.outboundProperties.'http.query.params'.name]`

Correct Answer: B

Section: (none)
Explanation

Explanation/Reference:

Reference: <https://help.mulesoft.com/s/question/0D52T00004mXWrdSAG/uri-params-in-http-connector-mule4>

QUESTION 47 What three layers are parts of Mulesoft's definition of the API-led connectivity model?

- A. System, Process, Experience
- B. Model, View, Controller
- C. Backend, Mediation, Frontend
- D. Client, Proxy, Server

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://dzone.com/articles/api-led-connectivity-with-mule>

QUESTION 48 What execution model is used by For Each and Batch scopes?

- A. For Each is single-threaded and Batch is multi-threaded
- B. Batch is single-threaded and For Each is multi-threaded
- C. Both are multi-threaded
- D. Both are single-threaded

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://stackoverflow.com/questions/43413958/mule-batch-processing-vs-foreach-vs-splitter-aggregator>

QUESTION 49 According to MuleSoft's point of view, what is the core activity that enables an application network to emerge in an organization?

- A. Build point-to-point integrations that are referenced in a document library
- B. Build applications that use the same communication protocols to connect to each other
- C. Build modern APIs that are discoverable and reusable
- D. Enforce and align all data mapping with a master data management system

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.mulesoft.com/resources/api/what-is-an-application-network>

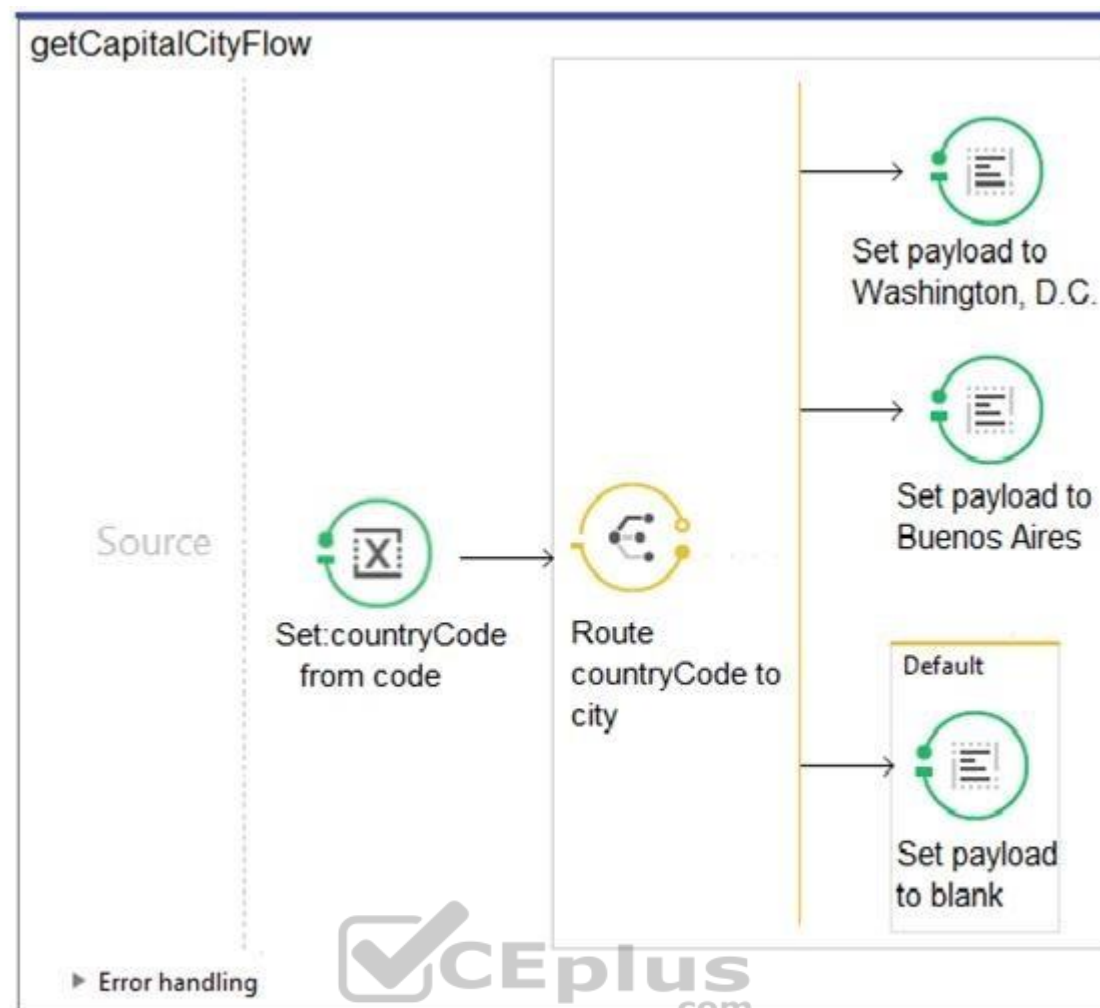
QUESTION 50

Refer to the exhibits. What DataWeave transformation calls the flow with the following input payload?



payload

```
[
  {
    "orderId": 592,
    "shipping": "international",
    "item": "T-shirt Navy",
    "size": "L",
    "price": 24.99,
    "code": "USA"
  },
  {
    "orderId": 972,
    "shipping": "domestic",
    "item": "Cargo shorts",
    "size": "L",
    "price": 49.99,
    "code": "AEG"
  },
  {
    "orderId": 396,
    "shipping": "international",
    "item": "Long sleeve shirt women",
    "size": "S",
    "price": 24.99,
    "code": "AU"
  }
]
```



```
<flow name= "getCapitalCityFlow">
  <set-variable variableName= "countryCode" value= "[payload.code]"
    doc:name= "Set countryCode from code" />

  <choice doc:name= "Route countryCode to city">
    <when expression= "[flowVars.countryCode=='USA']">
      <set-payload value= "[ 'Washington, D.C.' ]" doc:name=
"Set payload to Washington, D.C." />
    </when>
    <when expression= "[flowVars.countryCode=='AEG']">
      <set-payload value= "[ 'Buenos Aires' ]" doc:name= "Set payload
to Buenos Aires" />
    </when>
    <otherwise>
      <set-payload value= "[ ' ' ]" doc:name= "Set payload to blank"/>
    </otherwise>
  </choice>
</flow>
```

```
payload map {
  code: $.code,
  capital: getCapitalCityFlow($.code)
}
```

```
payload map {
  code: $code,
  capital: getCapitalCityFlow({code:$code})
}
```

```
payload map {
  code: $.code,
  capital: lookup("getCapitalCityFlow", $.code)
}
```

```
payload map {
  code: $code,
  capital: lookup("getCapitalCityFlow", {code:$code})
}
```



A.

B. C.

D.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 51

A Transform Message component receives the XML payload:

```
<order orderId= 'PO1234'>
  <customer>
    <customerName>Alice Green</customerName>
    <country>UK</country>
  </customer>
  <customer>
    <customerName> Bob Brown</customerName>
    <country>AU</country>
  </customer>
</order>
```

What is the DataWeave expression to output an array of the two customerName elements?

- A. payload.order.*customer[].customerName
- B. payload.order.*customer.customerName
- C. payload.order.customer[].customerName
- D. payload.order.customer.customerName

Correct Answer: B

Section: (none)

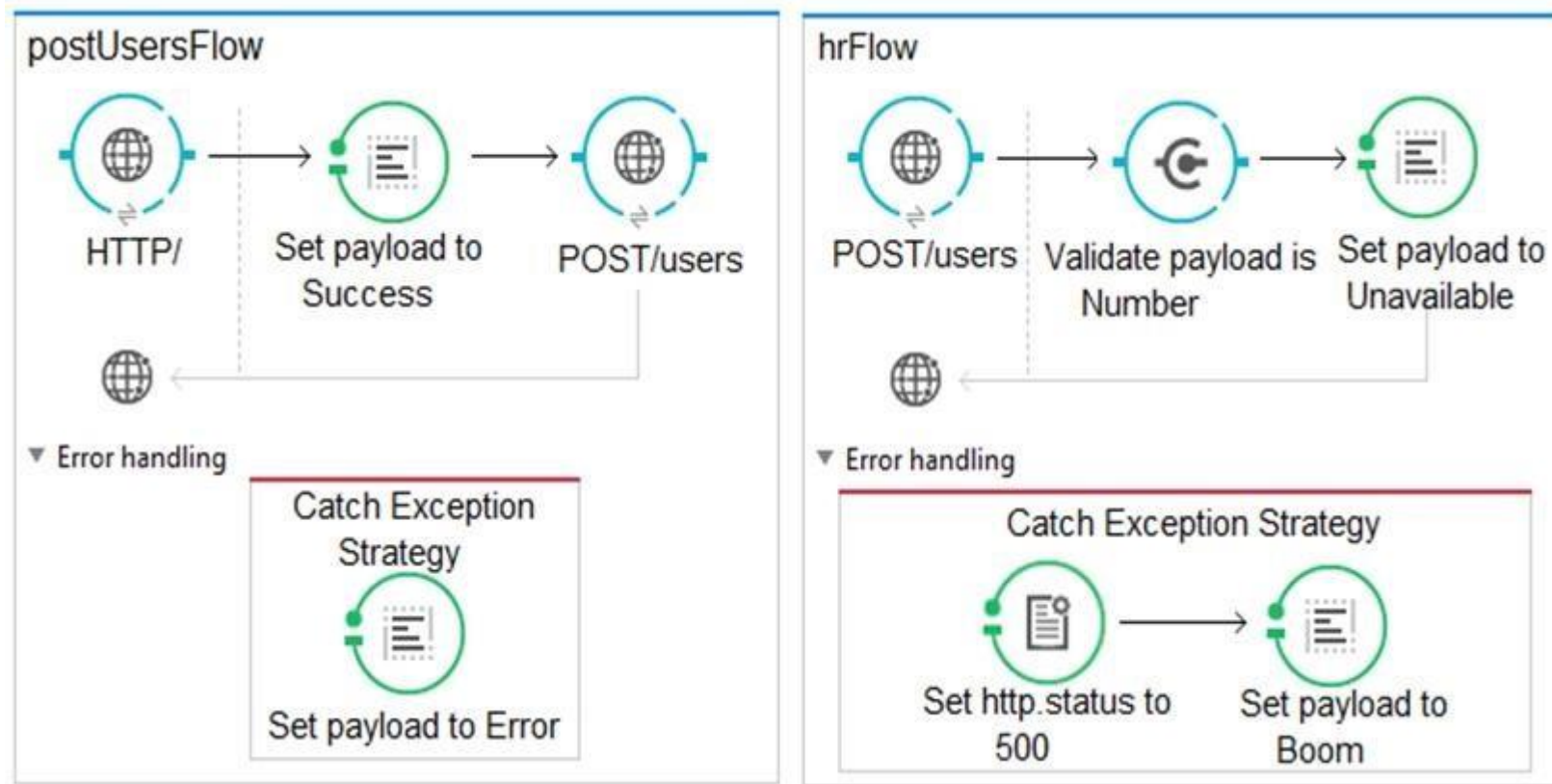
Explanation

Explanation/Reference:

QUESTION 52

Refer to the exhibit. A web client makes a request to the postUsersFlow's HTTP Listener. The Validation component in hrFlow then throws an exception. What response message is returned to the web client?





- A. Unavailable
- B. Error
- C. Success
- D. Boom



Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53 What HTTP method should be used to add a new member to a collection in a RESTful service?

- A. DELETE
- B. PUT
- C. POST
- D. GET

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference:
<https://books.google.com.pk/books?id=vAOmAwAAQBAJ&pg=PA120&lpg=PA120&dq=mulesoft+HTTP+method+should+be+used+to+add+a+new+member+to+a+collection+in+a+RESTful+service&source=bl&ots=AcR0zVWZu&sig=ACfU3U3oeI4FB4FSJvYI88IP6n1P2FSPA&hl=en&sa=X&ved=2ahUKEwjB572OrNbmAhXPYUUKHblHBFIQ6AEwDHoECAoQAQ#v=onepage&q=mulesoft%20HTTP%20method%20should%20be%20used%20to%20add%20a%20new%20member%20to%20a%20collection%20in%20a%20RESTful%20service&f=false>

QUESTION 54

Refer to the exhibits. What is the expected data that the POST /accounts endpoint expects?

```

#%RAML 1.0
title: Accounts API
version: 1.0

types:
  Account: !include datatypes/Account.raml
  AccountNoID: !include datatypes/AccountNoID.raml

/accounts:
  get:
    description: Get all accounts
    responses:
      200:
        body:
          application/json:
            type: Account[]
            example: !include examples/AccountsExample.raml
  post:
    description: Create an account
    body:
      application/json:
        type: AccountNoID
  
```

Account.raml

```

#%RAML 1.0 DataType

type: object
properties:
  id: string
  name: string
  address: string
  customer_since: date-only
  balance: number
  
```

AccountNoID.raml

```

#%RAML 1.0 DataType

type: object
properties:
  name: string
  address: string
  customer_since: date-only
  balance: number
  bank_agent_id: string
  
```

```

{
  "id": "4892",
  "name": "Geordi La Forge",
  "address": "1 Forge Way, Midgard, CA 95928",
  "customer_since": "2014-01-04",
  "balance": 4829.29
}
  
```

A.

```
<item>
  <name>Geordi La Forge</name>
  <address>1 Forge Way, Midgard, CA 9592B</address>
  <customer_since> 2014-01-04</customer_since>
  <balance> 4829.29</balance>
  <bank_agent_id>48-SJT-282924-KL</bank_agent_id>
</tem>
```

```
<item>
  <id>48292</id>
  <name>Geordi La Forge</name>
  <address>1 Forge Way, Midgard, CA 95928</address>
  <customer_since>2014-01-04</customer_since>
  <balance>4829.29<balance>
</item>
```

```
{
  "name": "Geordi La Forge",
  "address" : "1 Forge Way, Midgard, CA 95928",
  "customer_since": "2014-01-04",
  "balance": 4829.29
  "bank_agent_id": "48-SJT-282924-KL"
}
```

B. C.



D.

Correct Answer: A

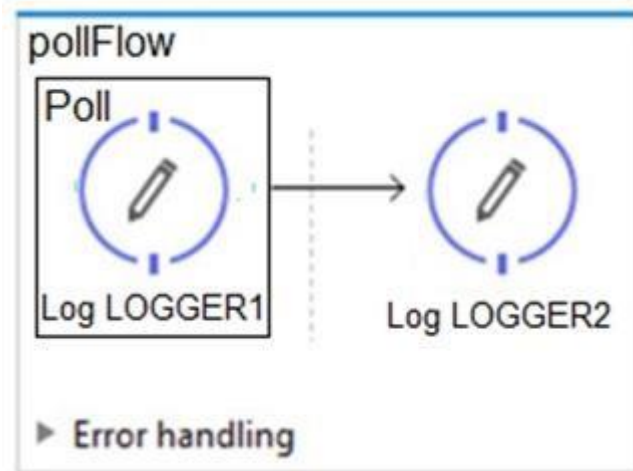
Section: (none)

Explanation

Explanation/Reference:

QUESTION 55

Refer to the exhibits. What is the expected behavior of this application?



```
<flow name= "pollFlow">
  <poll doc:name= "Poll">
    <fixed-frequency-scheduler frequency= "2000"/>
    <logger message= "#['LOGGER1']" level= "INFO" doc:name= "Log LOGGER1" />
  </poll>
  <logger message= "#['LOGGER2']" level= "INFO" doc:name= "Log LOGGER2" />
</flow>
```

- A. The application will continuously output LOGGER1 and LOGGER2 messages every 2 seconds
- B. After 2 seconds, the application will output LOGGER1 and LOGGER2 messages exactly once
- C. The application will immediately output LOGGER1 and LOGGER2 messages exactly once
- D. An exception will be thrown indicating there is no inbound endpoint as a message source

Correct Answer: A

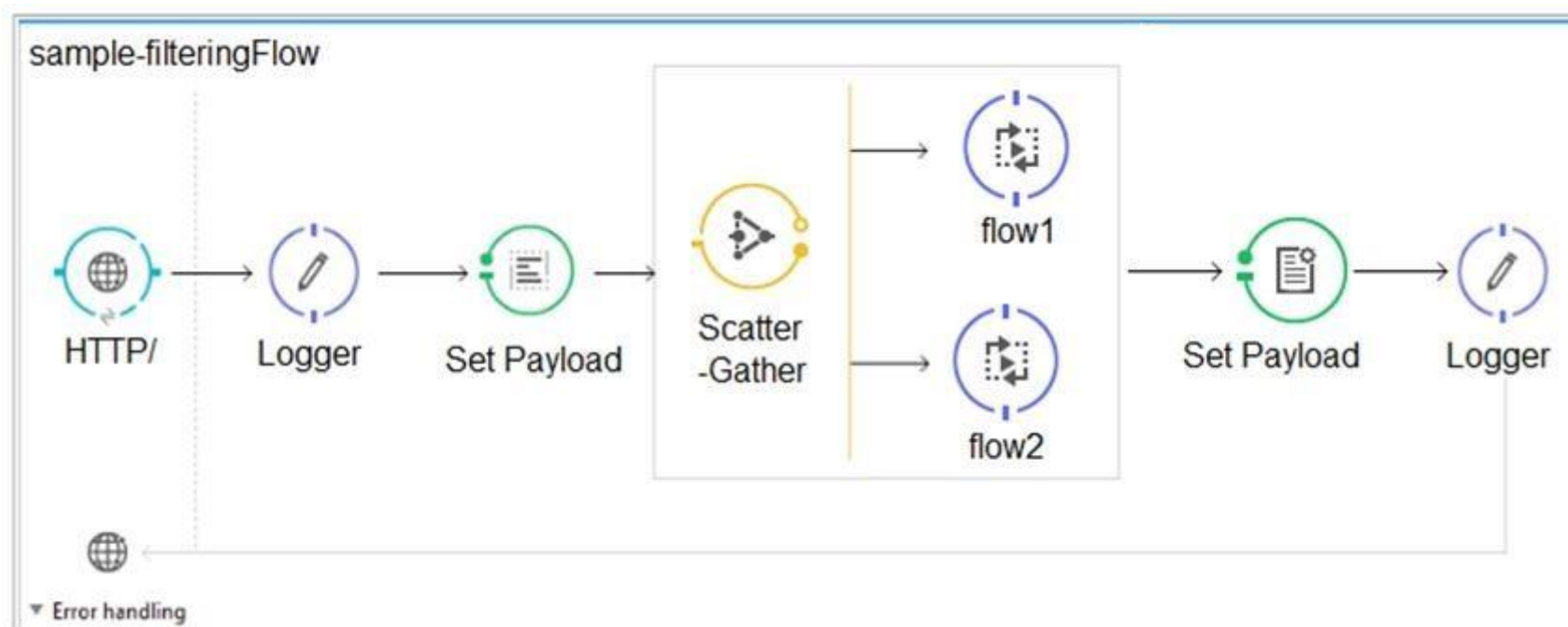
Section: (none)

Explanation

Explanation/Reference:

QUESTION 56

Refer to the exhibit. In the execution of the Scatter-Gather, the flow1 route completes after 10 seconds and the flow2 route completes after 20 seconds. How many seconds does it take for the Scatter-Gather to complete?



- A. 0
- B. 10C. 20
- D. 30

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://dzone.com/articles/scatter-gather-mule-esb>



QUESTION 57 What path setting is required for an HTTP Listener endpoint to route all requests to an APIkit router?

- A. /*
- B. /
- C. /{ }
- D. ALL

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.mulesoft.com/mule-runtime/3.7/http-listener-connector>

QUESTION 58

Refer to the exhibit. What is the correct way to create a user?

```
#%RAML 1.0
```

```
title: Acme Insurance API
```

```
version: 1.0
```

```
baseUri: http://localhost:8081/api
```

```
/users:
```

```
  post:
```

```
    headers:
```

```
      username: string
```

```
      password: string
```

```
    body:
```

```
      application/json
```

✕
+
No environment ▾

POST ▾
http://localhost8081/api/Users
Params
Send ▾
Save ▾

Authorization
Headers (3)
Body
Pre-request Script
Tests
Cookies
Code

Key	Value	Description	...	Bulk Edit	Presets ▾
<input checked="" type="checkbox"/> Content-Type	application/json				
<input checked="" type="checkbox"/> username	max				
<input checked="" type="checkbox"/> password	mule				

A.

No environment ▼

POST

Authorization Headers (1) Body Pre-request Script Tests Cookies Code

Key	Value	Description	*** Bulk Edit Presets ▼
<input checked="" type="checkbox"/> Content-Type	application/json		

No environment ▼

POST

Authorization Headers (1) Body Pre-request Script Tests Cookies Code

form-data x-www-form-urlencoded raw binary JSON(application/json) ▼

```

1 {
2   "username" : "max",
3   "password": "mule"
4 }
  
```

No environment ▼

POST

Authorization Headers (1) Body Pre-request Script Tests Cookies Code

Key	Value	Description	*** Bulk Edit Presets ▼
<input checked="" type="checkbox"/> Content-Type	application/json		

B.

C.

D.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 59

Refer to the exhibit. A Payload Filter component processes a message with a non-empty payload. What happens when the payload does not match the Payload Filter type?

```
<payload-type-filter expectedType= "java.lang.String" doc:name= "Payload is not null"/>
```

- A. It throws a Filter exception
- B. It throws a configurable exception
- C. It calls a compensation flow
- D. It silently stops processing the message

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 60

What is the output type of the DataWeave map operator?

- A. Map
- B. Array
- C. String
- D. Object



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://help.mulesoft.com/s/question/0D52T00004mXVAVSA4/what-is-difference-between-map-and-mapobject-in-dataweave->