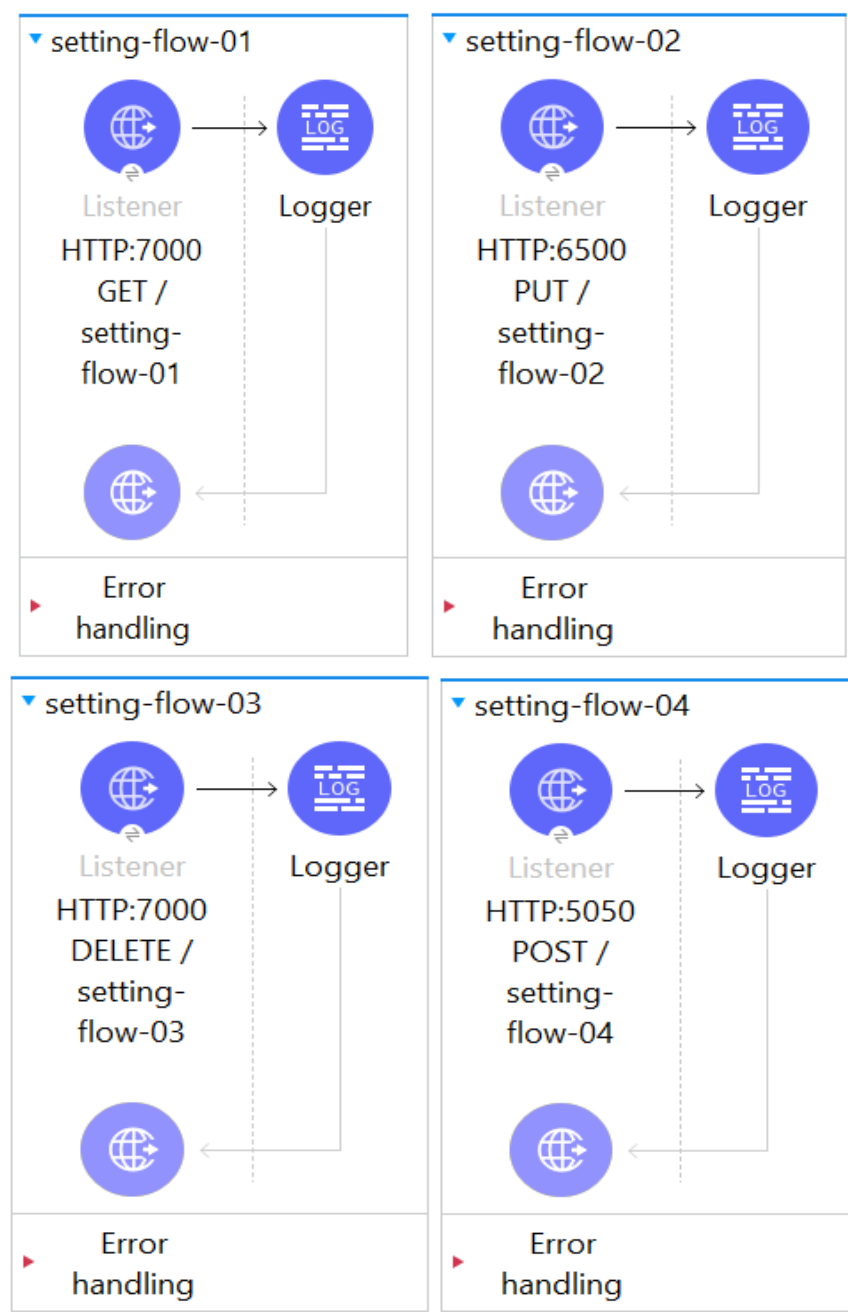


N.82 Refer to exhibits. Each HTTP Listener is configured with the same host string. The port number, path and operation values are shown in the display names. What is the minimum number of global elements that must be defined to support all these HTTP Listeners?



- 1) 4
- 2) 3
- 3) 2
- 4) 1

N.83 Refer to the exhibit.

```
!RAML 1.0
title: Accounts
version: 1.0

/accounts:
  get:
    responses:
      200:
        description: Success
        body:
          application/json:
            example:
              [
                {
                  "id": "947211",
                  "name": "Express Logistics and Transport",
                  "description": "Commerical logistics and transportation company.",
                  "numberOfEmployees": 12300,
                  "industry": "Transportation",
                  "customer priority": "Medium"
                },
                {
                  "id": "978213",
                  "name": "GenePoint",
                  "description": "Genomics company engaged in mapping and sequencing of the human genome",
                  "numberOfEmployees": 205,
                  "industry": "Biotechnology",
                  "customer priority": "Low"
                }
              ]

```

The API needs to be updated using the company-wide standard for the Account data type. The Object data type has already been published in Anypoint Exchange with the global reference datatypes/dataType.raml. What is valid Raml specification that reuses the Account data type?

```
!RAML 1.0

title: Accounts

version: 1.0

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

/accounts:
  get:
    responses:
      200:
        body:
          application/json:
            type: Account[]
            example:
              output: !include/Examples/AccountExamples.raml

```

A.

```

!RAML 1.0
title: Accounts
version: 1.0

types:
  Account: !reference/datatypes/dataType.raml

/accounts:
  get:
    responses:
      200:
        body:
          application/json:
            type: Account[]
            example:
              output: !reference/Examples/AccountExamples.raml

```

B.

```

!RAML 1.0
title: Accounts
version: 1.0

datatypes:
  Account: !reference/datatypes/dataType.raml

/accounts:
  get:
    responses:
      200:
        body:
          application/json:
            type: Account[]
            example:
              output: !reference/Examples/AccountExamples.raml

```

C.

```

!RAML 1.0
title: Accounts
version: 1.0

datatypes:
  Account: !include/datatypes/dataType.raml

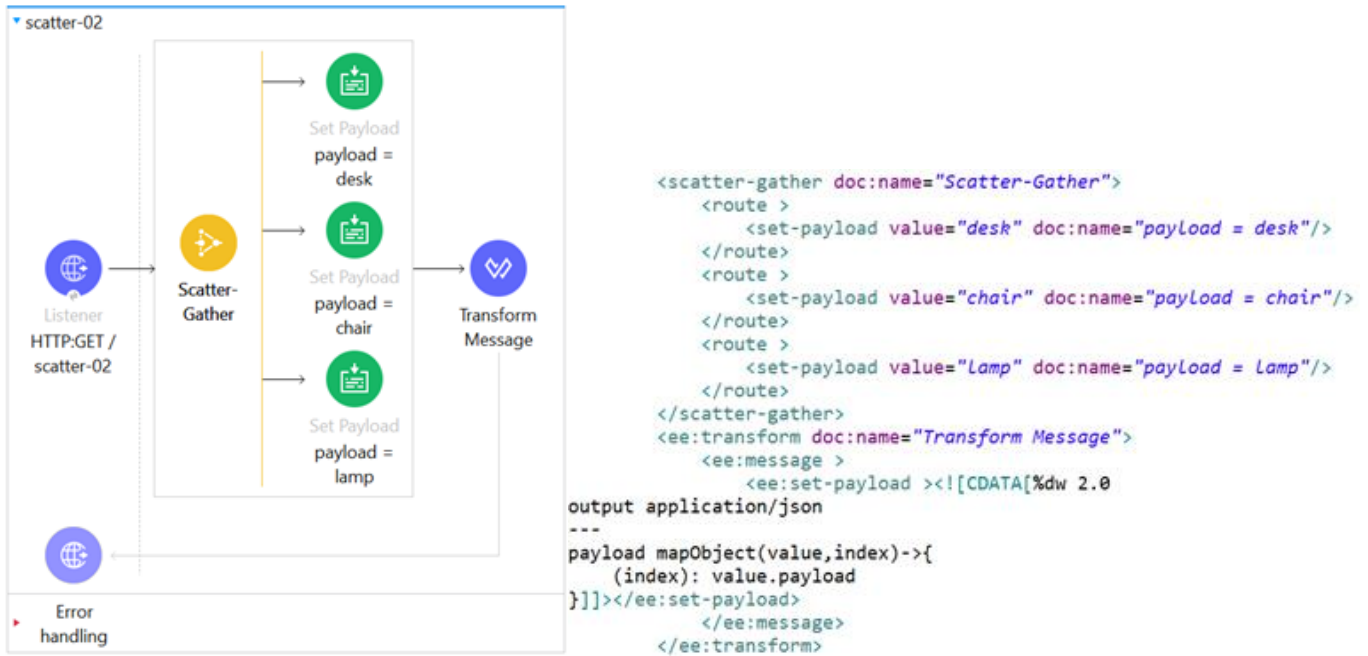
/accounts:
  get:
    responses:
      200:
        body:
          application/json:
            type: Account[]
            example:
              output: !include/Examples/AccountExamples.raml

```

D.

- 1) Option A
- 2) Option B
- 3) Option C
- 4) Option D

N.84 Refer to the exhibit:



What payload is going to be returned after the flow is completes?

- A. [desk, chair, lamp]
- B. {


```

      "0":{
        "payload": "desk",
        "attributes": {...}
      },
      "1":{
        "payload": "number"
        "attributes": {...}
      },
      "2":{
        "payload": "number"
        "attributes": {...}
      }
    }

```
- C. {


```

      "0": "desk",
      "1": "chair",
      "2": "lamp"
    }

```

```

D. {
    "0":{
        "payload": "desk"
    },
    "1":{
        "payload": "number"
    },
    "2":{
        "payload": "number"
    }
}

```

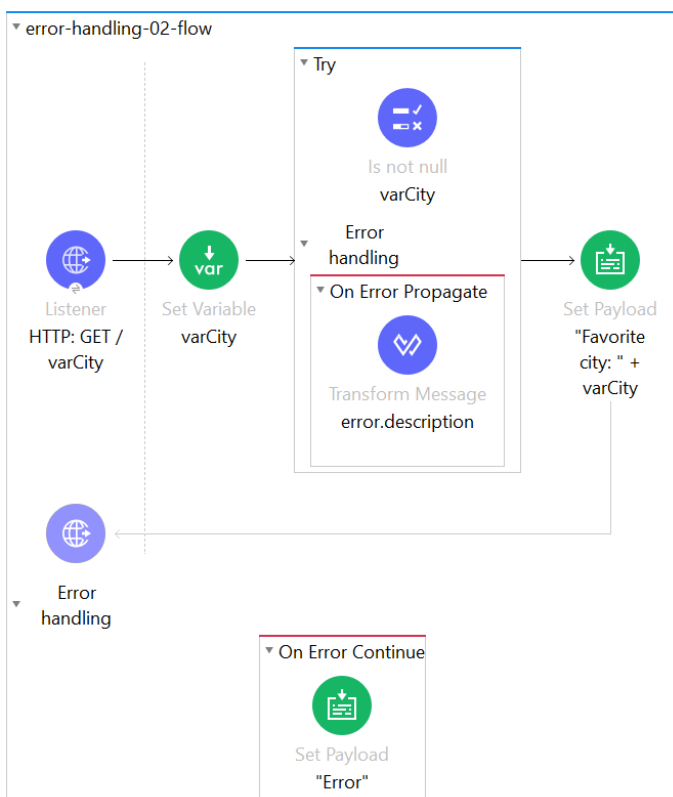
- 1) Option A
- 2) Option B
- 3) Option C
- 4) Option D

N.85 Which of the below functionality is provided by zip operator in DataWeave?

- 1) Used for sending attachments
- 2) Minimize the size of long text using encoding
- 3) Merges elements of two lists (arrays) into a single list
- 4) All mentioned

N.86 Refer to the exhibit. No global error handler defined. A web client sends a GET request to the HTTP listener and forget to specify query parameter.

What response is returned to the web client?



```

<flow name="error-handling-02-flow" >
<http:listener doc:name="HTTP GET /error-handling-02" config-ref="HTTP_Listener_config" path="/error-handling-02"/>
<set-variable value="#[message.attributes.queryParams.city]" doc:name="varCity"/>
<try doc:name="Try" >
    <validation:is-not-null doc:name="varCity" value="#[vars.varCity]"/>
    <error-handler >
        <on-error-propagate enableNotifications="true" logException="true" doc:name="On Error Propagate">

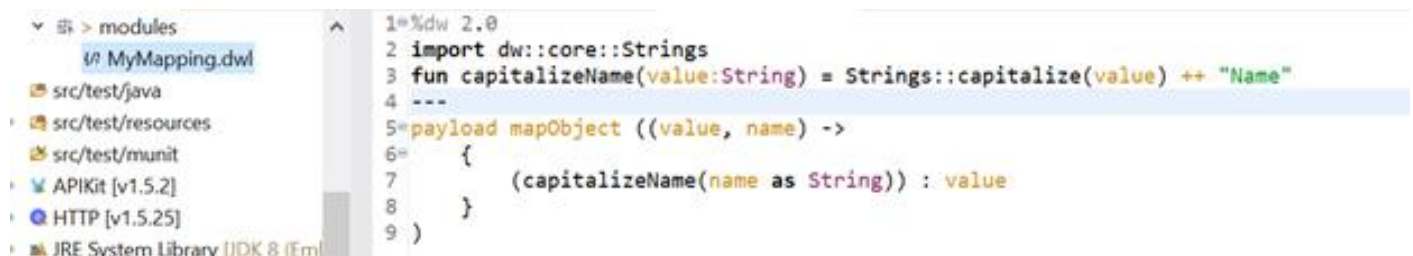
```

- 1) value is null
- 2) Error
- 3) Favorite city: null
- 4) Error type: VALIDATION:NULL

N.87 How can you call a flow from DataWeave?

- 1) Lookup function
- 2) Lambda function
- 3) Not possible in Mule 4
- 4) Import function

N.88 A MyMapping.dwl file is located in a Mule project at src/main/resources/modules. The MyMapping.dwl defines a function named capitalizeName.



```

1= %dw 2.0
2 import dw::core::Strings
3 fun capitalizeName(value:String) = Strings::capitalize(value) ++ "Name"
4 ---
5=payload mapObject ((value, name) ->
6= {
7     (capitalizeName(name as String)) : value
8 }
9 )

```

This function called in a Transform Message component.

```

1= %dw 2.0
2 import modules::MyMapping
3 output application/json
4 ---
5 MyMapping::main(payload: {"fox" : "Molly"})

```

What will be the output?

- A.
 - 1 {
 - 2 "FoxName": "Molly"
 - 3 }
- B.
 - 1 {
 - 2 "fox name": "Molly"
 - 3 }

```

1 {
2     FoxName: Molly
3 }

```

C.

```

1 {
2     FoxName Molly
3 }

```

D.

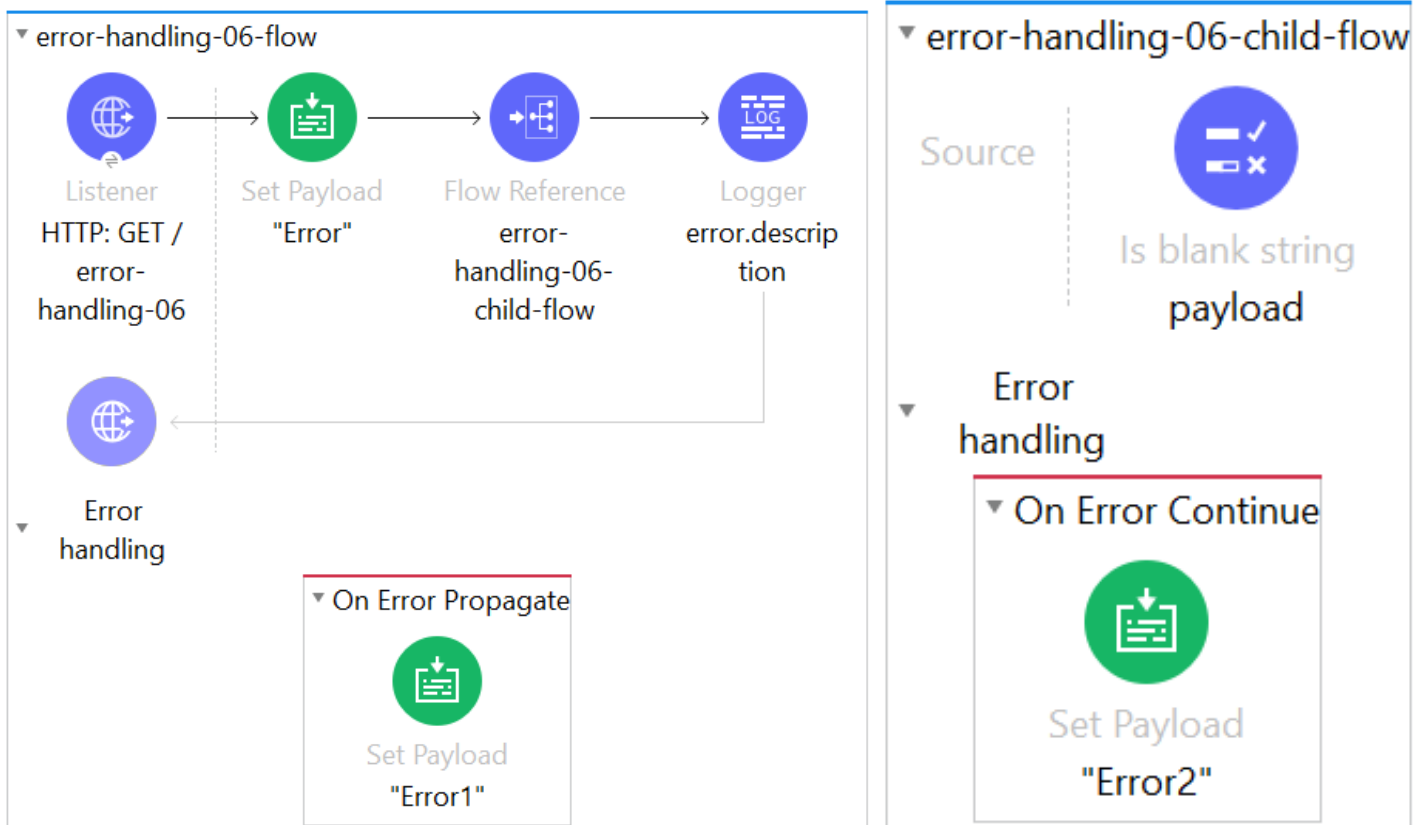
- 1) Option A
- 2) Option B
- 3) Option C
- 4) Option D

N.89 What are the latest specification of RAML available?

- 1) 4.3
- 2) 0.8
- 3) 1.0
- 4) 1.2

N.90 Refer to the exhibit.

What response is returned to the web client? What information is logged by Logger processor?



- 1) Returned to client: String is not blank;
Logger:
- 2) Returned to client: String is not blank;
Logger: String is not blank
- 3) Returned to client: Error2;
Logger: String is not blank
- 4) Returned to client: Error2;
Logger:

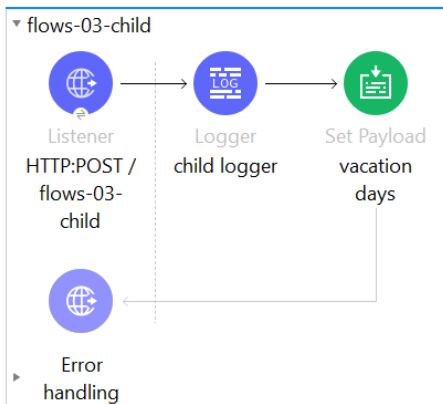
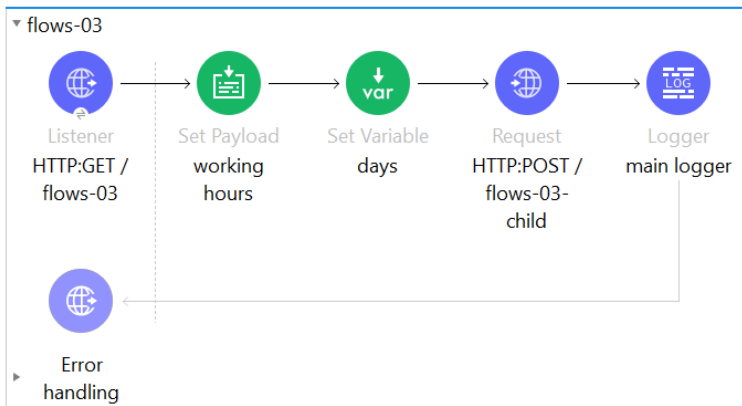
N.91 According to Semantic Versioning, which version would you change for backwards compatible bug fixes?

- 1) MAJOR
- 2) No changes
- 3) MINOR
- 4) PATCH

N.92 Pick the component with which DataWeave is tightly integrated?

- 1) Mule event
- 2) API
- 3) Mule runtime
- 4) Exchange

N.93 Refer to the exhibit:



There is a GET request made to `http://localhost:8082/flows-03?pay=1000`. The flow makes a http request to the flows-03-child flow. What values can be logged in the main logger?

- 1) payload
- 2) payload, variable days
- 3) payload, variable days and query parameter
- 4) nothing

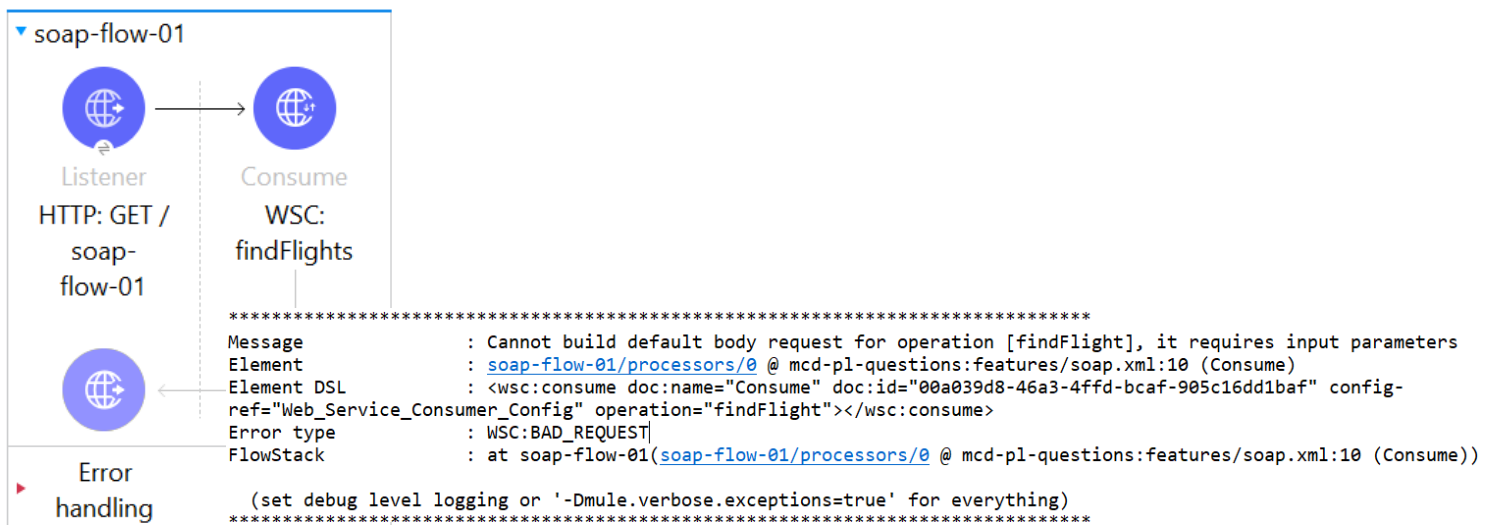
There are payloads from two different sources in this flow. What needs to be done so that both payloads can be saved and used?

- 1) nothing, payloads are combined automatically
- 2) move the “vacation days” set payload after the http request
- 3) save the “vacation days” payload in a target variable
- 4) payload will be overwritten and can’t be saved

N.94 Does a root element required when creating a XML response using DataWeave?

- 1) Depends on requirement
- 2) Always required
- 3) Not required
- 4) None of these

N.95 Refer to exhibits. A web client submits a request to `http://localhost:8082/soap-flow-01?destination=LAX` and the Web Service Consumer throws a WSC:BAD_REQUEST error. What is the next step to fix this error?



- 1) Set a JSON payload before the Consume operation that contains the destination query parameter
- 2) Set a body in the Consume operation equal to the destination query parameter
- 3) Set a SOAP payload before the Consume operation that contains the destination query parameter
- 4) Set a header in the Consume operation equal to the destination query parameter

N.96 Refer to the exhibit:

```
1 %dw 2.0
2 output application/xml
3 var lessonIds = ['math','economic']
4 ---
5 |
```

```
<?xml version='1.0' encoding='UTF-8'?>
<lessons>
  <lesson>
    <lessonIds>math</lessonIds>
  </lesson>
  <lesson>
    <lessonIds>economic</lessonIds>
  </lesson>
</lessons>
```

What DataWeave expression transforms the lesson Ids array to the XML output?

A.

```
{
  lessons: lessonIds map ( (lesId, index) ->
    lesson: {
      lessonIds: lesId,
    }
  )
}
```

B.

```
lessons:
  lessonIds map ( (lesId, index) ->
    lesson: {
      lessonIds: lesId,
    }
  )
{
  lessons: lessonIds map ( (lesId, index) ->
    lesson: {
      lessonIds: lesId,
    }
  )
}
```

C.

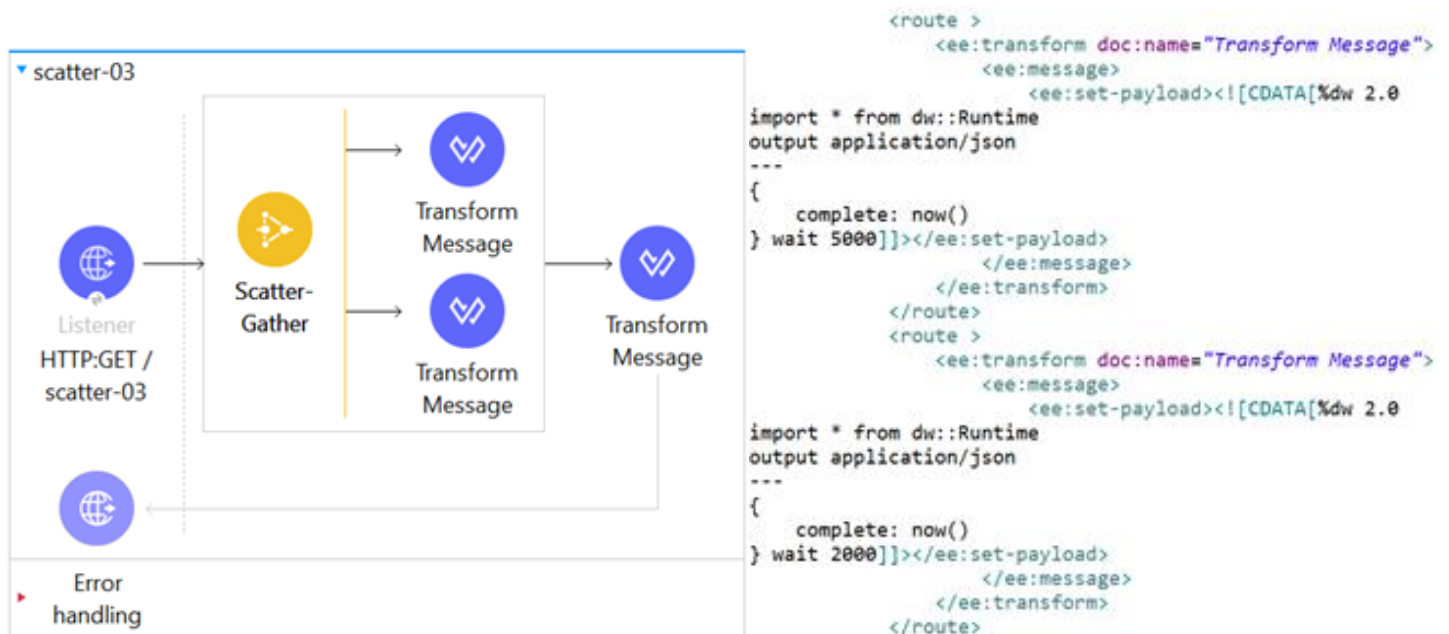
```
lessons:
{
  lessonIds map ( (lesId, index) ->
    lesson: {
      lessonIds: lesId,
    }
  )
}
```

D.

```
{
  lessonIds map ( (lesId, index) ->
    lesson: {
      lessonIds: lesId,
    }
  )
}
```

- 1) Option A
- 2) Option B
- 3) Option C
- 4) Option D

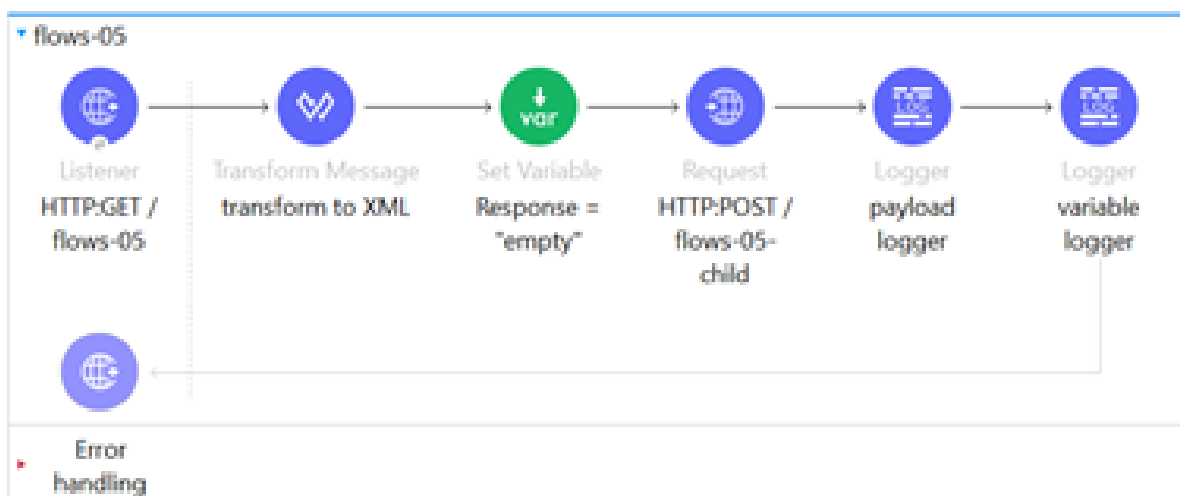
N.97 Refer to the exhibit:

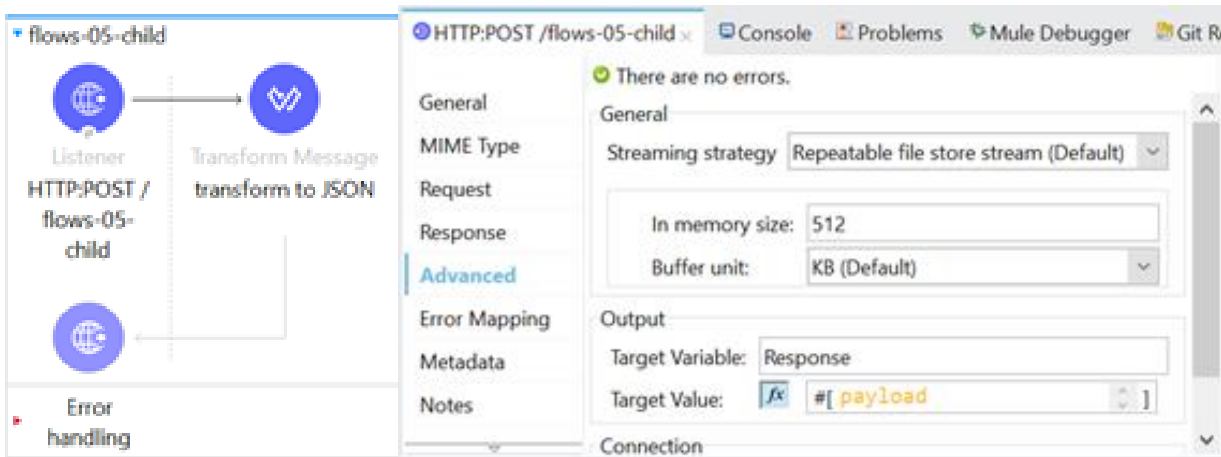


How long will the scatter gather take to combine these flows?

- 1) 2 seconds
- 2) 5 seconds
- 3) 7 seconds
- 4) 3 seconds

N.98 Refer to the exhibit:





There is a flow that has a payload with a XML message, but the child flow sends a JSON response to the HTTP request. What is going to be logged in the loggers?

- 1) payload logger = JSON message, variable logger = JSON message
- 2) payload logger = XML message, variable logger = JSON message
- 3) payload logger = XML message, variable logger = "empty"
- 4) payload logger = JSON message, variable logger = "empty"

N.99 Which data type is returned by Scatter-Gather operation?

- 1) Array of objects
- 2) Object of strings
- 3) JSON
- 4) Object of objects

N.100 Refer to the exhibit:

```

#%RAML 1.0
title: Library

/books:
  post:
    headers:
      client_id: string
      client_secret: string
    body:
      application/xml:

```

What is the correct way to create a user?

POST

http://localhost:8081/api?books=headers

Send

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

Cookies

Headers

7 hidden

	KEY	VALUE	DESCRIPTIC	...	Bulk Edit	Presets
<input checked="" type="checkbox"/>	Content-Type	application/xml				
<input checked="" type="checkbox"/>	client_id	a4Gt6s8dkf91dficx				
<input checked="" type="checkbox"/>	client_secret	s6asj88nWmp3df7Z				

A.

GET ⌵ http://localhost:8081/api/books Send ⌵

Params Authorization Headers (9) Body Pre-request Script Tests Settings [Cookies](#)

Headers 👁 6 hidden

	KEY	VALUE	DESCRIPTION	⋮	Bulk Edit	Presets
<input checked="" type="checkbox"/>	Content-Type	application/xml				
<input checked="" type="checkbox"/>	client_id	a4Gt6s8dkf91dficx				
<input checked="" type="checkbox"/>	client_secret	s6asj88nWmp3df7Z				

B.

POST ⌵ http://localhost:8081/api/books?client_id=a4Gt6s8dkf91dficx&client_secret=s6asj88nWmp3df7Z Send ⌵

Params ● Authorization Headers (8) Body Pre-request Script Tests Settings [Cookies](#)

Headers 👁 7 hidden

	KEY	VALUE	DESCRIPTION	⋮	Bulk Edit	Presets
<input checked="" type="checkbox"/>	Content-Type	application/xml				

C.

POST ⌵ http://localhost:8081/api/books Send ⌵

Params Authorization Headers (10) Body Pre-request Script Tests Settings [Cookies](#)

Headers 👁 7 hidden

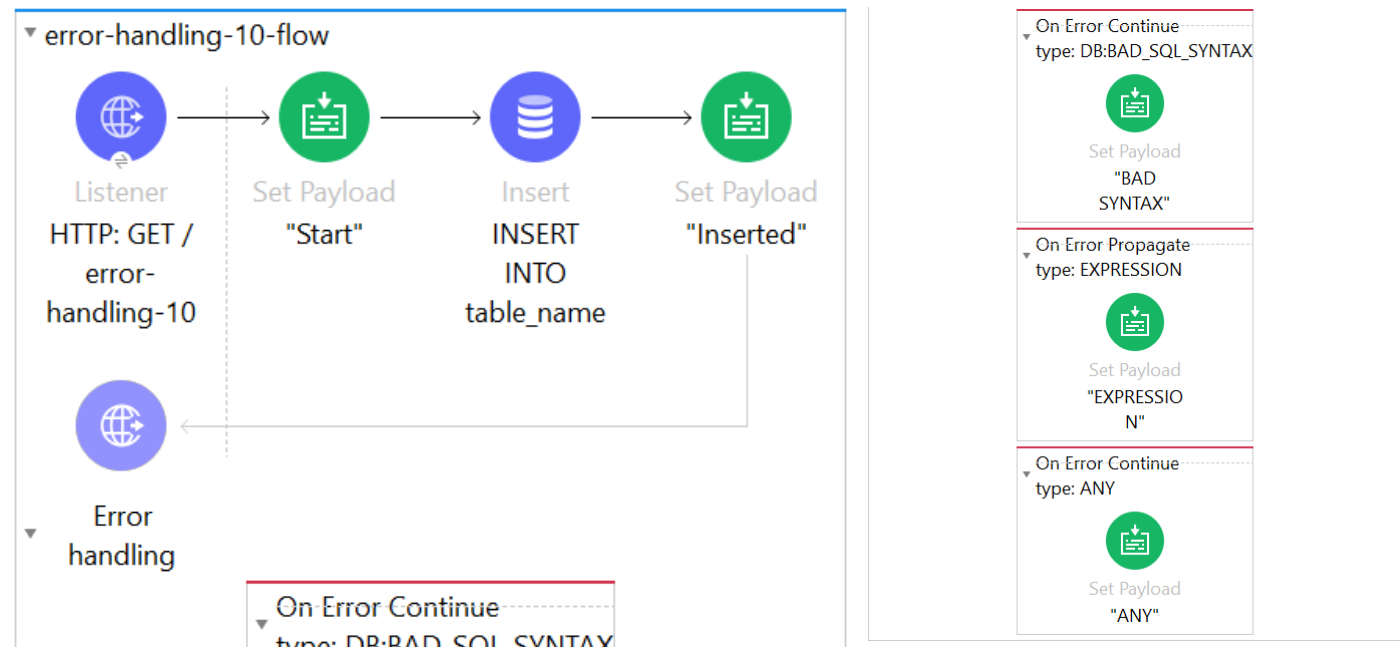
	KEY	VALUE	DESCRIPTION	⋮	Bulk Edit	Presets
<input checked="" type="checkbox"/>	Content-Type	application/xml				
<input checked="" type="checkbox"/>	client_id	a4Gt6s8dkf91dficx				
<input checked="" type="checkbox"/>	client_secret	s6asj88nWmp3df7Z				

D.

- 1) Option A
- 2) Option B
- 3) Option C
- 4) Option D

N.101 Refer to exhibit. A web client sends to the Mule application. The Database INSERT operation throws a DB:BAD_SQL_SYNTAX error.

What response message is returned to the web client?



```
<flow name="error-handling-10-flow" >
  <http:listener doc:name="HTTP: GET /error-handling-10" config-ref="HTTP_Listener_config" path="/error-handling-10"/>
  <set-payload value='#["Start"]' doc:name="Start" />
  <db:insert doc:name="INSERT INTO table_name" config-ref="Database_Config">
    <error-mapping sourceType="DB:BAD_SQL_SYNTAX" targetType="EXPRESSION" />
    <db:sql ><![CDATA[INSERT INTO table_name (column1, column2, column3)
VALUES (value1, value2, value3)]]></db:sql>
  </db:insert>
  <set-payload value='#["Inserted"]' doc:name="Inserted" />
  <error-handler >
    <on-error-continue enableNotifications="true" logException="true" doc:name="On Error Continue" type="DB:BAD_SQL_SYNTAX">
      <set-payload value='#["BAD SYNTAX"]' doc:name="BAD SYNTAX" />
    </on-error-continue>
    <on-error-continue enableNotifications="true" logException="true" doc:name="On Error Continue" type="EXPRESSION">
      <set-payload value='#["EXPRESSION"]' doc:name="EXPRESSION" />
    </on-error-continue>
    <on-error-propagate enableNotifications="true" logException="true" doc:name="On Error Propagate" type="ANY">
      <set-payload value='#["ANY"]' doc:name="ANY" />
    </on-error-propagate>
  </error-handler>
</flow>
```

- 1) "ANY"
- 2) "EXPRESSION"
- 3) "Inserted"
- 4) "Start"
- 5) "BAD SYNTAX"

N.102 What will be response if Database Select operation doesn't return any row?

- 1) null
- 2) Error
- 3) []
- 4) {}

N.103 What execution model is used by Batch Job and For Each scopes?

- 1) Both are single-threaded
- 2) Batch Job is single-threaded and For Each is multi-threaded
- 3) Both are multi-threaded
- 4) For Each is single threaded and Batch Job is multi-threaded

N.104 A Mule application contains an ActiveMQ JMS dependency. The Mule application was developed in Anypoint Studio and runs successfully in Anypoint Studio. The Mule application must now be exported from Anypoint Studio and shared with another developer.

What export options create the smallest JAR file that can be imported into the other developer's Anypoint Studio and run successfully?

- A. ☒ Attach project sources
☐ Only export project sources
☒ Include project modules and dependencies
- B. ☒ Attach project sources
☐ Only export project sources
☐ Include project modules and dependencies
- C. ☐ Attach project sources
☐ Only export project sources
☒ Include project modules and dependencies
- D. ☐ Attach project sources
☒ Only export project sources
☐ Include project modules and dependencies

- 1) Option A
- 2) Option B
- 3) Option C
- 4) Option D

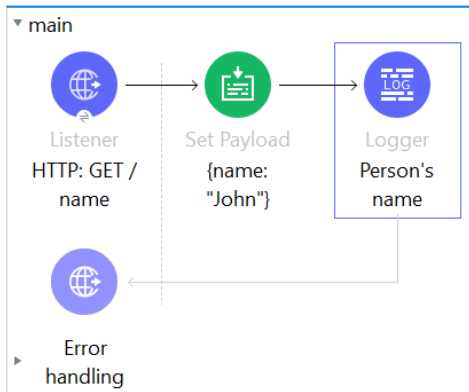
N.105 A RAML specification is defined to manage customers with a unique identifier for each customer record.

What URI does MuleSoft recommend to uniquely access the customer identified with the unique ID 7789?

- 1) /customers?7789
- 2) /customers/custid=true&custid=7789
- 3) /customers/7789
- 4) /customers?id=7789

N.106 The Set Payload transformer's value is set to Object {name: "John"}.

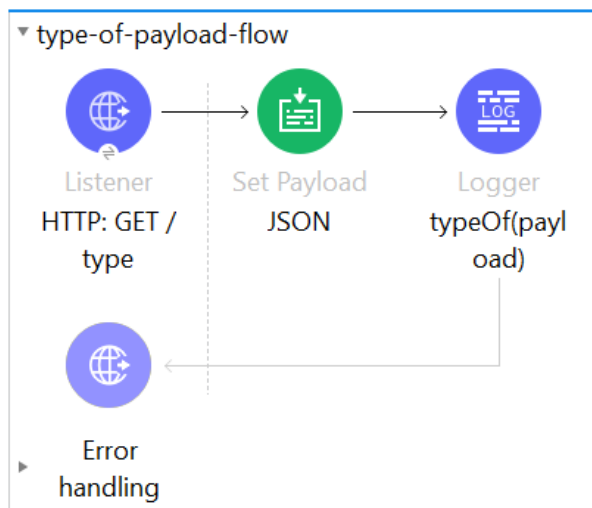
What message value should be added to the Logger component instead of "???" to output the message 'Person's name is John', without hardcoding "John"?



```
<flow name="main" >
  <http:listener doc:name="HTTP: GET /name" config-ref="HTTP_Listener_config" path="/name"/>
  <set-payload value='#[{name: "John"}]' doc:name='{name: "John"}'/>
  <logger doc:name="Person's name" message="???"/>
</flow>
```

- 1) #["Person's name is "payload.name"]
- 2) Person's name is payload.name
- 3) #["Person's name is" ++ payload.name]
- 4) Person's name is #[payload.name]

N.107 Refer to exhibit. Set Payload transformer is set to a JSON. What is logged by the Logger?



```
<flow name="type-of-payload-flow" >
  <http:listener doc:name="HTTP: GET /type" config-ref="HTTP_Listener_config" path="/type"/>
  <set-payload value='#[
    {"vehicle":
      {
        "car": "cabrio"
      }
    }
  ]'
  doc:name="JSON" />
  <logger level="INFO" doc:name="typeOf(payload)" message="#[typeOf(payload)]"/>
</flow>
```


- 1) JSON
- 2) String
- 3) Array
- 4) Object

N.108 According to MuleSoft, what is the first step to create a Modern API?

- 1) Gather a list of requirements to secure the API
- 2) Create an API specification and get feedback from stakeholders
- 3) Create a prototype of the API implementation
- 4) Performance tune and optimize the backend systems and network

N.109 According to MuleSoft, what are three main steps of creating Modern API?

- 1) Building, Managing, Securing
- 2) Designing, Building, Managing
- 3) Securing, Building, Managing
- 4) Deploying, Designing, Building

N.110 Why would a Mule application use the `${http.port}` property placeholder for its HTTP Listener port when it is deployed to CloudHub?

- 1) Allows CloudHub to automatically change the HTTP port to allow external clients to connect to the HTTP Listener
- 2) Allows MuleSoft Support to troubleshoot the application by connecting directly to the HTTP Listener
- 3) Allows clients to VPN directly to the application at the Mule application's configured HTTP port
- 4) Allows CloudHub to automatically register the application with API Manager

N.111 What is the correct syntax for using value of “username” from config.yaml in Database connector config?

```
db:  
  host: "mudb.learn.mulesoft.com"  
  username: "User"  
  password: "Password"  
  database: "database"
```

- 1) `#{db.username}`
- 2) `${db.username}`
- 3) `$(db.username)`
- 4) `#[db.username]`

N.112 What is the correct syntax to add an ID as a URI parameter in an HTTP Listener path?

- 1) `/employee/${ID}`
- 2) `/employee/ID`
- 3) `/employee/{ID}`
- 4) `/employee/#{ID}`

N.113 What valid RAML retrieves details on a specific account by its name as a URI parameter?

```
/accounts:
  /name:
    get:
```

A.

```
/accounts:
  get:
    /{name}:
```

B.

```
/accounts:
  /{name}:
    get:
```

C.

```
/accounts:
  get:
    /name:
```

D.

- 1) Option A
- 2) Option B
- 3) Option C
- 4) Option D

N.114 A Mule application contains a global error handler configured to catch any errors.

Where must the global error handler be specified so that the global error handler catches all errors from flows without their own error handlers?

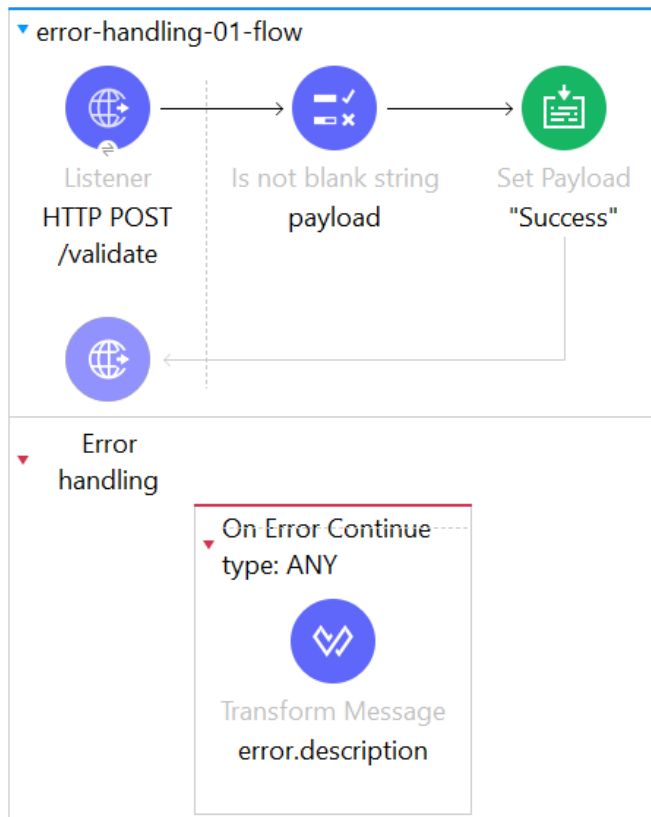
- 1) A configuration properties file
- 2) The pom.xml file
- 3) Nowhere, the global error handler is automatically used
- 4) A global element

N.115 In an application network, if the implementation but not the interface of a product API changes, what needs to be done to the other APIs that consume the product API?

- 1) Nothing needs to be changed in the other APIs or their associated applications
- 2) The other APIs must be updated to consume the updated product API
- 3) The applications associated with the other APIs must be recoded
- 4) The applications associated with the other APIs must be restarted

N.116 Refer to the exhibit. No global error handler defined. A web client sends a POST request to the HTTP listener with empty body.

What response is returned to the web client?



```
1= %dw 2.0
2 output application/json
3 ---
4={
5     "message": error.description
6 }
```

- 1) Success
- 2) { "message": "String is blank" }
- 3) { "message": "Is not blank string" }
- 4) error.description

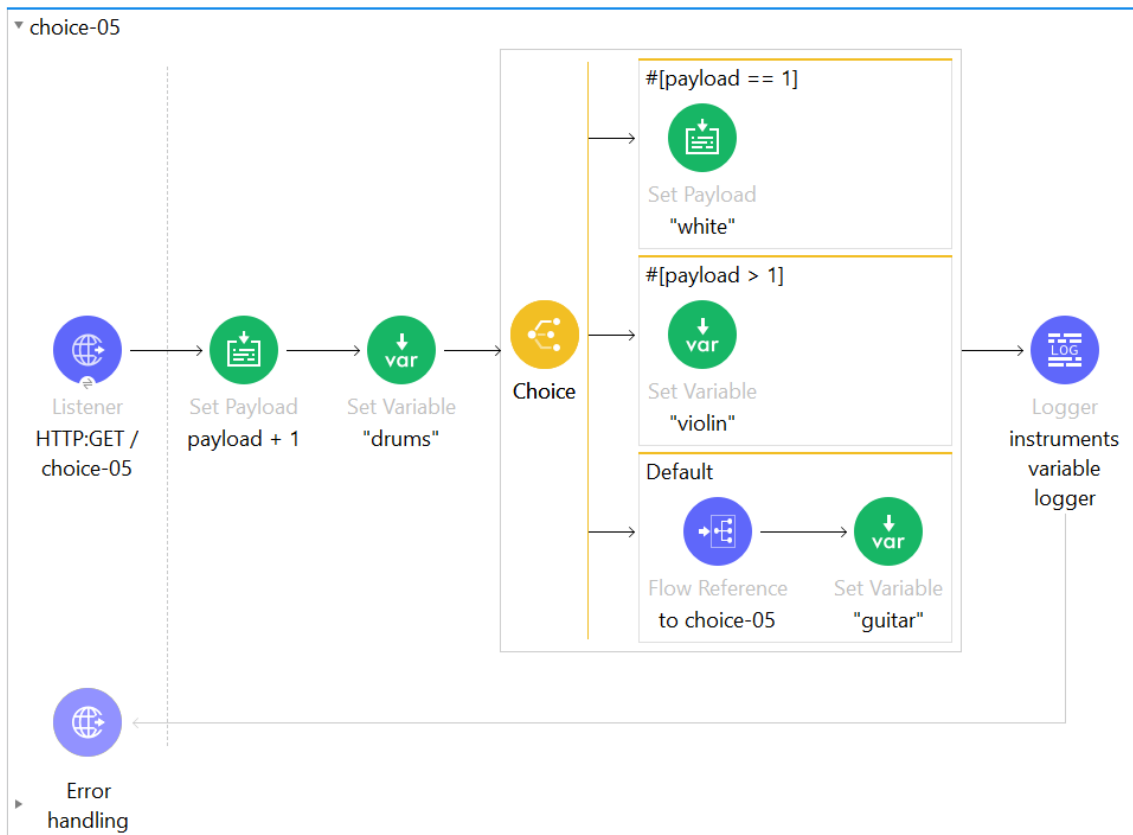
N.117 What MuleSoft API-led connectivity layer is intended to be easily used by its intended audience?

- 1) System layer
- 2) Process layer
- 3) Experience layer
- 4) Information layer

N.118 How to import Core (dw::Core) module into your DataWeave scripts?

- 1) import * from dw::core
- 2) import dw::core
- 3) !include/ dw::core
- 4) module is imported automatically

N.119 Refer to the exhibit:



```
<set-payload value="#[(payload + 1) default 0 as Number]" doc:name="payload + 1" />
```

What is going to be the last thing logged in the logger?

- 1) guitar
- 2) violin
- 3) drums
- 4) there is going to be a timeout error

N.120 How can you call a subflow from Dataweave?

- 1) Lookup function
- 2) Import function
- 3) Include function
- 4) Not possible in Mule 4

N.121 What is the object type returned by the File List operation?

- 1) Array of String file names
- 2) Object of Mule event objects
- 3) Array of Mule event objects
- 4) Object of String file names

N.122 How we can scale deployed Mule application vertically on CloudHub?

- 1) Mule applications can be scaled only horizontally
- 2) Changing worker size
- 3) Adding multiple workers
- 4) Option 2 and 3 can be used

N.123 An organization's Center for enablement (C4E) has built foundational assets (API specifications and implementation templates, common frameworks, and best practice guides) and published them to Anypoint Exchange. What is a metric related to these foundational assets that helps the organization measure the success of its C4E efforts?

- 1) Count how many Lines Of Business (LoBs) consumed each foundational asset.
- 2) Utilization counts of foundational assets in production applications
- 3) Correlation of each foundational asset with the counts of developers that download such asset
- 4) Correlation of key performance indicators (KPI) of production applications with foundational assets

N.124 A flow has a JMS Publish consume operation followed by a JMS Publish operation. Both of these operations have the default configurations. Which operation is asynchronous (does not wait for a response before continuing to the next event processor) and which operation is synchronous (blocks and waits for a response or timeout before continuing to the next event processor)?

- 1) Publish consume: Synchronous. Publish: Asynchronous.
- 2) Publish consume: Asynchronous. Publish: Synchronous.
- 3) Publish consume: Synchronous. Publish: Synchronous.
- 4) Publish consume: Asynchronous. Publish: Asynchronous.

N.125 An organization has created an application network by following MuleSoft's recommended API-led connectivity approach. The organization now needs to create API to transform, orchestrate and aggregate the data provided by the other API's in the application network. This API should be flexible enough to handle the data from additional API's in future. According to MuleSoft's recommended API-led connectivity approach, what is the best layer for this new API?

- 1) Data layer
- 2) Experience layer
- 3) Process layer
- 4) System layer

N.126 Which file is used to define the interface contract to invoke a web service implemented as a SOAP service?

- 1) WSDL
- 2) JSON
- 3) OAS
- 4) RAML