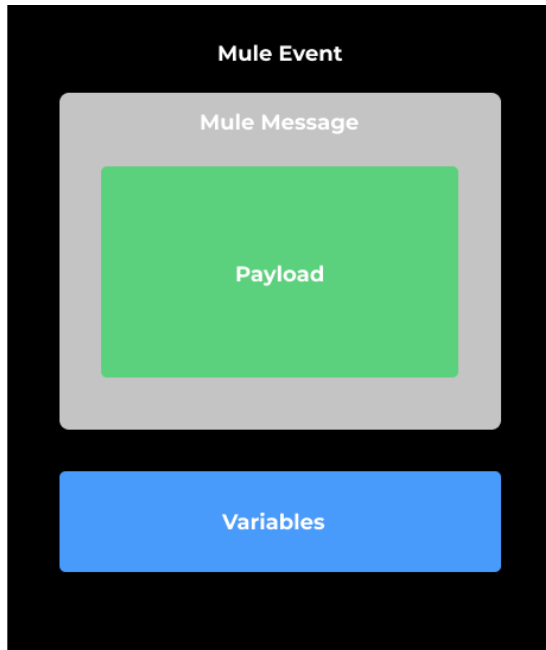


**N.127** A Mule Event is composed of a hierarchy of objects. Where is the hierarchy are attributes stored?



- 1) Mule event
- 2) Mule message payload
- 3) Mule message
- 4) Mule message attributes

**N.128** How can you access a variable named newMessage with DataWeave using keyword?

- 1) vars.newMessage
- 2) vars.attributes.newMessage
- 3) params.newMessage
- 4) message.newMessage

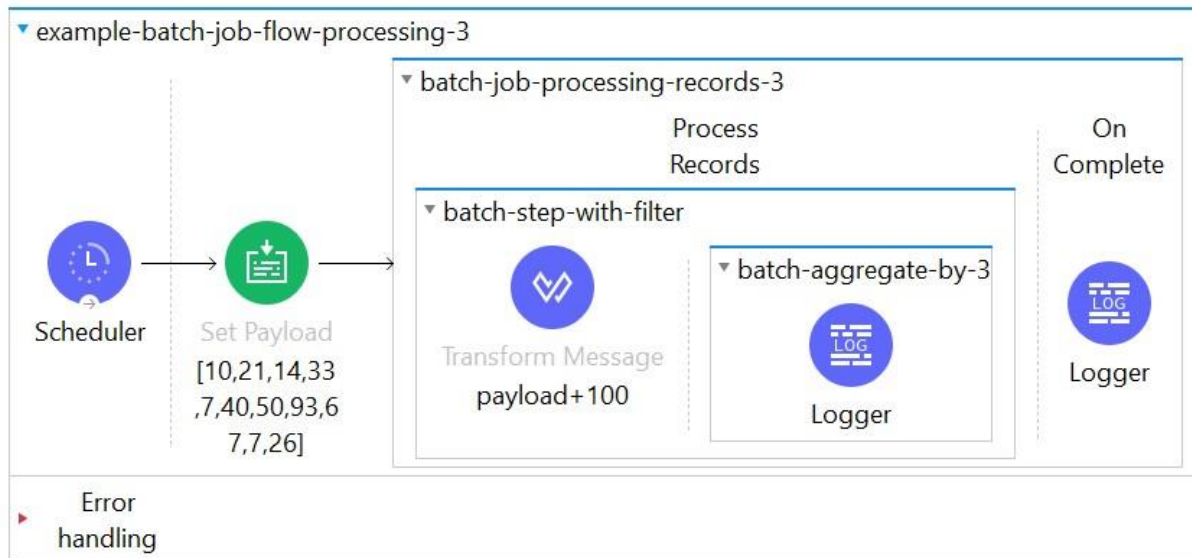
**N.129** Web client submits a request to <http://localhost:8081/record/49335>. The value “49335” is captured by Set Variable transformer to a variable named recordID. What is the DataWeave expression to access recordID later in the flow?

- 1) var.recordID
- 2) attributes.recordID
- 3) flow.recordID
- 4) vars.recordID

**N.130** A Mule flow has three Set Variables transformers. What global data structure can be used to access the variables?

- 1) Mule event attributes
- 2) Mule event message
- 3) Mule application properties
- 4) Mule event

**N.131** Refer to the exhibits. The input array of strings contains numbers and alphabets. Batch job processes, filters and aggregates the values.



```

<flow name="example-batch-job-flow-processing-3" >
  <scheduler doc:name="Scheduler" >
    <scheduling-strategy >
      <fixed-frequency />
    </scheduling-strategy>
  </scheduler>
  <set-payload value="#[[10,21,14,33,7,40,50,93,6,7,7,26]]"
doc:name="[10,21,14,33,7,40,50,93,6,7,7,26]" />
  <batch:job jobName="batch-job-processing-records-3" >
    <batch:process-records >
      <batch:step name="batch-step-with-filter" acceptExpression="#[(payload mod 2) !=0]" >
        <ee:transform doc:name="payload+100" >
          <ee:message >
            <ee:set-payload ><![CDATA[%dw 2.0
output application/java
---
payload + 100]]></ee:set-payload>
          </ee:message>
        </ee:transform>
        <batch:aggregator doc:name="batch-aggregate-by-3 size="3">
          <logger level="INFO" doc:name="Logger" message="#[payload]" />
        </batch:aggregator>
      </batch:step>
    </batch:process-records>
    <batch:on-complete >
      <logger level="INFO" doc:name="Logger" />
    </batch:on-complete>
  </batch:job>
</flow>
  
```

What is the expected output from the Logger component in batch-aggregate-by-3?

- 1) Summary report of processed records
- 2) [121,133], [107,193], [167,107]
- 3) [ 193,167,107]
- 4) [121,133,107], [193,167,107]

What is the last message logged by the Logger component in batch-aggregate-by-3 after the Batch Job completes processing?

- 1) [193,167,107]
- 2) [121,133], [107,193], [167,107]
- 3) [ 121,133,107,193,167,107]
- 4) [121,133,107], [193,167,107]

What is the output from the Logger component in the On Complete phase?

- 1) Summary report of processed records
- 2) [121,133], [107,193], [167,107]
- 3) [ 193,167,107]
- 4) [121,133,107], [193,167,107]

**N.132** Refer to the exhibit. The main flow contains an HTTP Request in the middle of the flow. The HTTP Listener and HTTP request use default configurations.

A web client submitted a request:

GET	http://localhost:8082/first					
Params	Authorization	Headers (7)	Body	Pre-request Script	Tests	Settings
<input checked="" type="checkbox"/>	Accept ⓘ		*/*			
<input checked="" type="checkbox"/>	Accept-Encoding ⓘ		gzip, deflate, br			
<input checked="" type="checkbox"/>	Connection ⓘ		keep-alive			
<input checked="" type="checkbox"/>	color		green			

first-flow

Listener  
HTTP GET/  
first

Logger  
"Color is "  
++  
attributes.he  
aders.color  
default  
"blue"

Set Variable  
attributes.he  
aders.color  
default  
"blue"

Request  
HTTP GET/  
second

Logger  
"Color at the  
end of first  
flow is " ++  
attributes.he  
aders.color  
default  
"blue"

Error  
handling

second-flow

Listener  
HTTP GET/  
child

Logger  
"Color at the  
end of  
second flow  
is " ++  
attributes.he  
aders.color  
default  
"blue"

Error  
handling

```
<http:request method="GET" doc:name="HTTP GET/second" responseTimeout="300000" url="http://localhost:8082/second">
  <http:headers ><![CDATA[#[output application/java
---
{
  color : vars.Color
}]]]></http:headers>
  </http:request>
  <logger level="INFO" doc:name="Color at the end of first flow is " ++ attributes.headers.color default "blue"
    message="#["Color at the end of first flow is " ++ (attributes.headers.color default "blue")]"/>
</flow>
<flow name="second-flow" >
  <http:listener doc:name="HTTP GET/child" config-ref="HTTP_listener_config" path="/second"/>
  <logger level="INFO" doc:name="Color at the end of second flow is " ++ attributes.headers.color default "blue"
    message="#["Color at the end of second flow is " ++ (attributes.headers.color default "blue")]"/>
</flow>
```

What message will be logged to the Logger at the end of second-flow?

- 1) Color at the end of second flow is green
- 2) Color is green
- 3) Blue
- 4) Color is blue

What message will be logged to the Logger at the end of first-flow?

- 1) Color at the end of second flow is green
- 2) Color is green
- 3) Color at the end of first flow is blue
- 4) Color is blue

What values are accessible at the Logger at the end of first flow after a web client submits request to `http://localhost:8082/first?id=23` ?

- 1) Variable color
- 2) Query param id
- 3) Variable color and query param id
- 4) Payload

**N.133** A function named `newUser` need to be defined. Function should accept three input parameters – an integer value for `userID`, a string value for `userName` and a string value for `userSurname`. The input is following:

```
newUser (12, "John", "Smith")
```

The output should be the following:

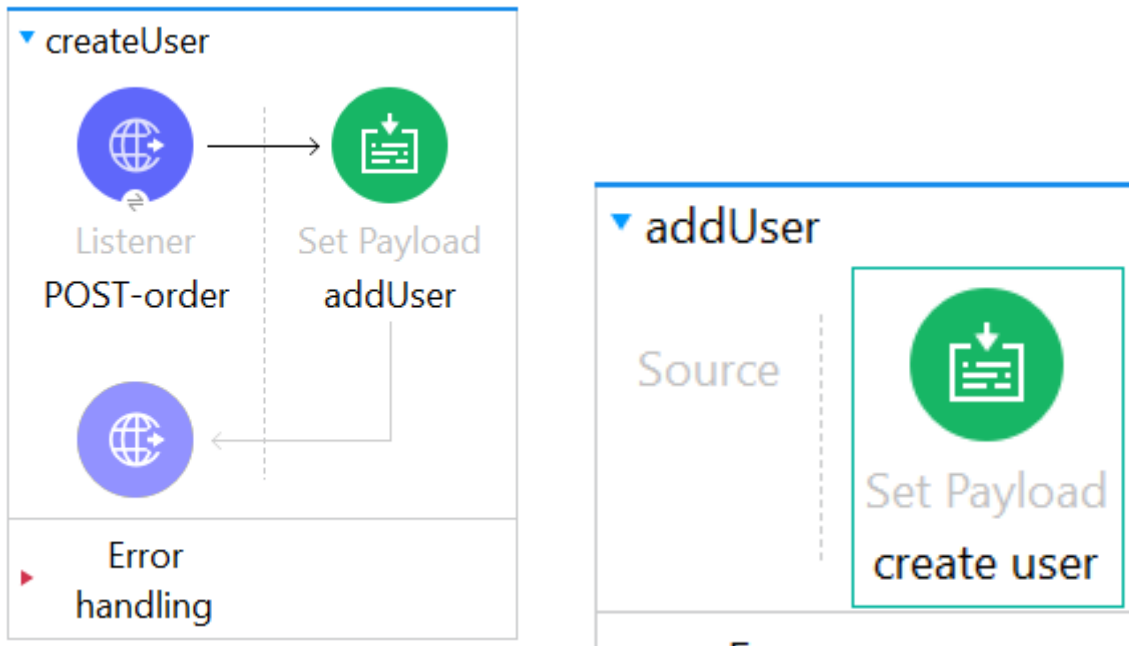
```
1  "New User - JohnSmith with user Id: 12"
```

What is the correct DataWeave code to define the `newUser` function?

- A. **function** newUser(userID: Number, userName: String, userSurname: String) = "New User - " ++ userName ++ userSurname ++ " with user Id: " ++ (userID as String)
- B. **fun** newUser(userID: Number, userName: String, userSurname: String) = "New User - " ++ userName ++ userSurname ++ " with user Id: " ++ (userID as String)
- C. **fun** newUser(userID: Number, userName: String, userSurname: String) = "New User - " + userName + userSurname + " with user Id: " + (userID as String)
- D. **fun** newUser{userID: Number, userName: String, userSurname: String} = "New User - " ++ userName ++ userSurname ++ " with user Id: " ++ (userID as String)

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

## N.134 Refer to the exhibits



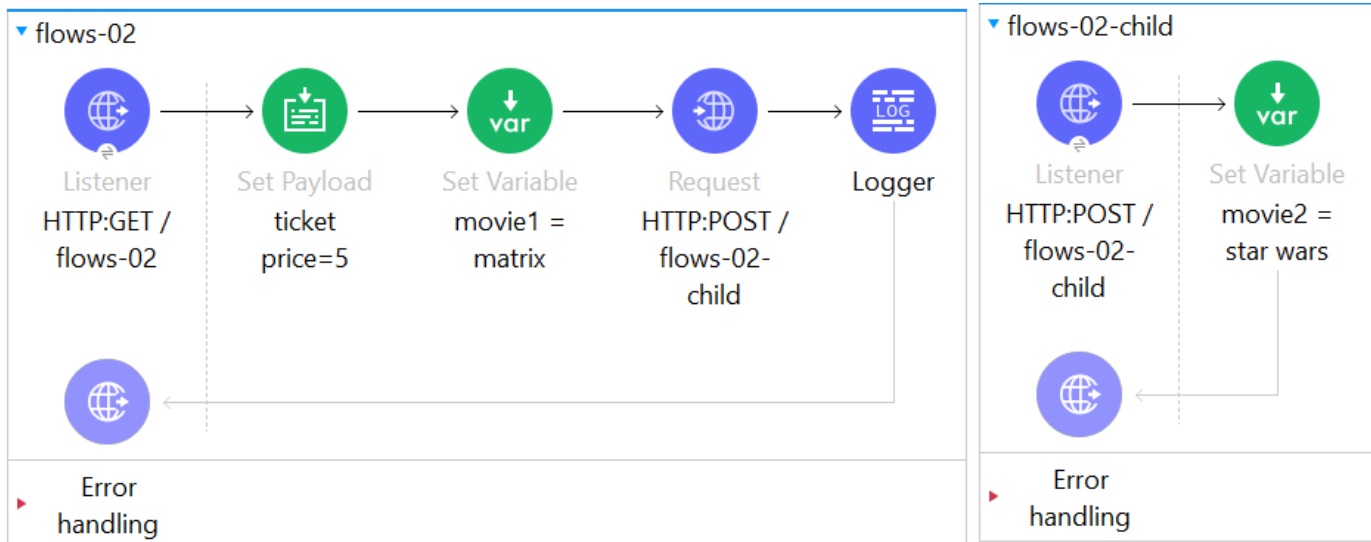
```
create user x Console Problems Git Repositories
General > Value
1= %dw 2.0
2 output application/json
3 ---
4= user: {
5=   userName: payload.userName,
6   userSurname: payload.userSurname,
7   userId: payload.userId
8 }
```

The Set Payload transformer in the addUser private flow uses DataWeave to create a user. What is the correct DataWeave code for the Set Payload transformer in the createUser flow to use the addUser private flow to add a user with following parameters: userName – John, userSurname – Smith, userId – 123?

- A. `lookup("addUser",[userName: "John", userSurname: "Smith", userId: "123"])`
- B. `addUser("addUser",[userName: "John", userSurname: "Smith", userId: "123"])`
- C. `lookup("addUser",{userName: "John", userSurname: "Smith", userId: "123"})`
- D. `fun lookup("addUser",{userName: "John", userSurname: "Smith", userId: "123"})`

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

## N.135 Refer to the exhibit:



There is a GET request made to “http://localhost:8082/flows-02?count=2”. This flow makes a http request to a flows-02-child flow. What values can be logged in the logger after the request?

- 1) payload, query parameter and movie1
- 2) payload and movie1
- 3) payload, query parameter, movie1 and movie2
- 4) payload

How can the flow be modified so a query parameter can be used in the child flow or after the http request?

- 1) save it in a variable
- 2) save key-value pairs in ObjectStore
- 3) session variables
- 4) save it in a logger

## N.136 What is the main purpose of the flow designer in Design Center?

- 1) To design and develop fully functional Mule application in a hosted development environment
- 2) To design API RAML files in a graphical way
- 3) To design and mock Mule application templates that must be implemented using Anypoint Studio
- 4) To define API lifecycle management in a graphical way

## N.137 What statement is a part of Mulesoft’s description of an application network?

- 1) Creates and manages high availability and fault tolerant services and infrastructure
- 2) Creates reusable APIs and assets designed to be consumed by other business units
- 3) Creates and manages a collection of JMS messaging services and infrastructure
- 4) Leverages Central IT to deliver complete point-to-point solution with master data management

## N.138 Refer to the exhibit:

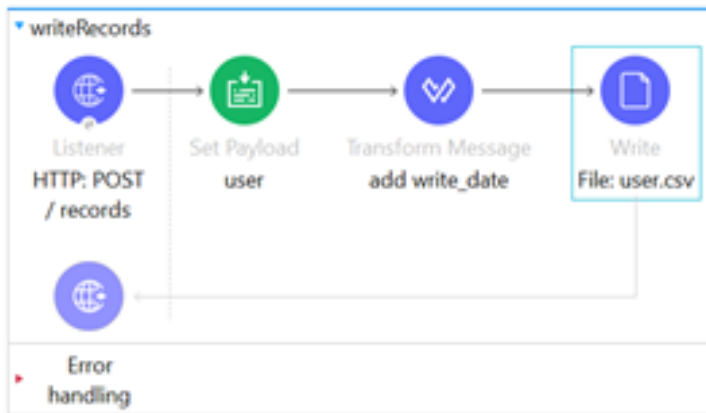
The screenshot shows a Dataweave IDE interface. On the left, the 'books.xml' file is open, displaying an XML document with three book entries: 'Pride And Prejudice' (price 24.00), 'The Handmaid's Tale' (price 29.95), and 'Sense and Sensibility' (price 19.95). On the right, the 'Output Payload' window shows the resulting JSON array, where each book is represented as an object with 'index', 'genre', 'title', and 'price' fields. The output is a JSON array of three objects, indexed from 0 to 2.

What Dataweave expression transforms the input to the output?

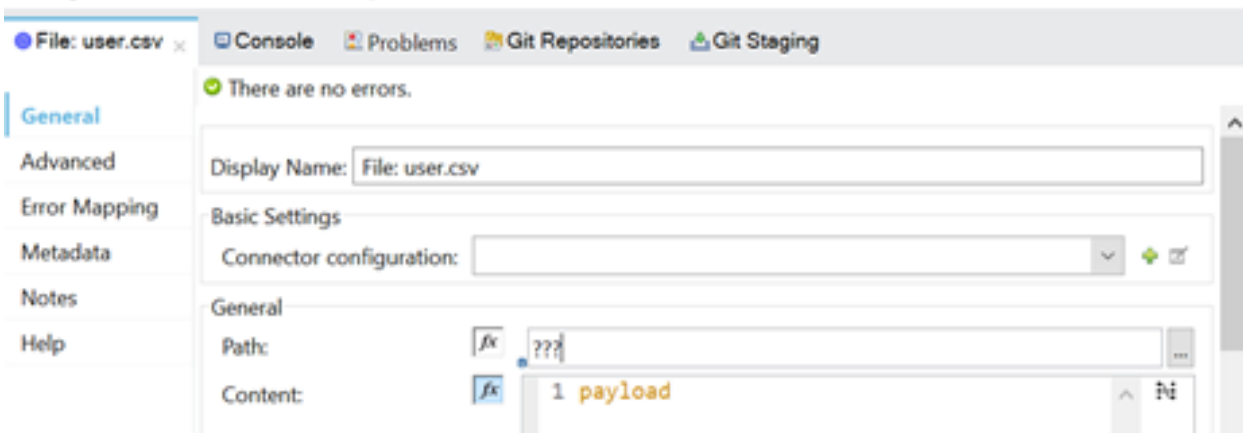
- `payload.books.*book map { (value,index) -> {  
 index: index,  
 genre: value.@genre,  
 title: value.title,  
 price: value.price  
}}|`
- A. `payload.book map ( (value,index) -> {  
 index: index,  
 genre: value.@genre,  
 title: value.title,  
 price: value.price  
}})`
- B. `payload.books.*book map ( (value,index) -> {  
 index: index,  
 genre: value.genre,  
 title: value.title,  
 price: value.price  
}})`
- C. `payload.books.*book map { (value,index) -> {  
 index: index,  
 genre: value.@genre,  
 title: value.title,  
 price: value.price  
}}|`
- D. `payload.books.*book map ( (value,index) -> {  
 index: index,  
 genre: value.@genre,  
 title: value.title,  
 price: value.price  
}}|`

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

**N.139** Refer to exhibit:



Message Flow Global Elements Configuration XML



In write file component you should specify the Path. What this Path is?

- 1) Path to send the request to the application from web client
- 2) Path to specify the directory on your local machine, where to write the new file
- 3) Path to specify the folder within application, where the new file will be stored
- 4) Path to specify the directory on your local machine, from where to take this user.csv file

**N.140** What asset cannot be created using Design Center?

- 1) Mule Application
- 2) API fragment
- 3) API specifications
- 4) API portals

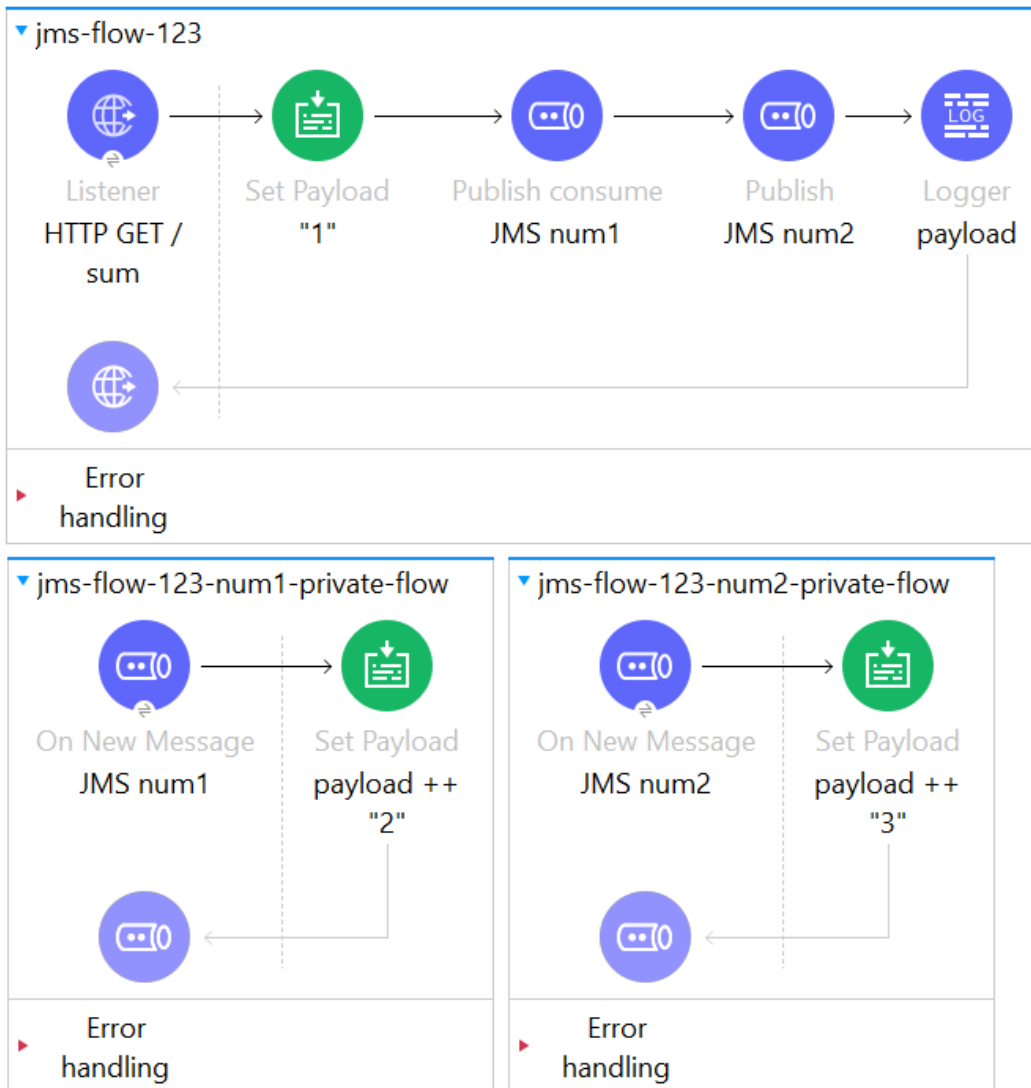
**N.141** Choose the correct answer. Anypoint Design Center is a development environment that consists of two tools:

- 1) API Designer and API Manager
- 2) API Manager and Flow Designer
- 3) API Designer and Flow Designer
- 4) API Designer and APIkit



**N.142** Refer to the exhibit. A web client sends a GET request to the HTTP listener.

What response is returned to the web client?

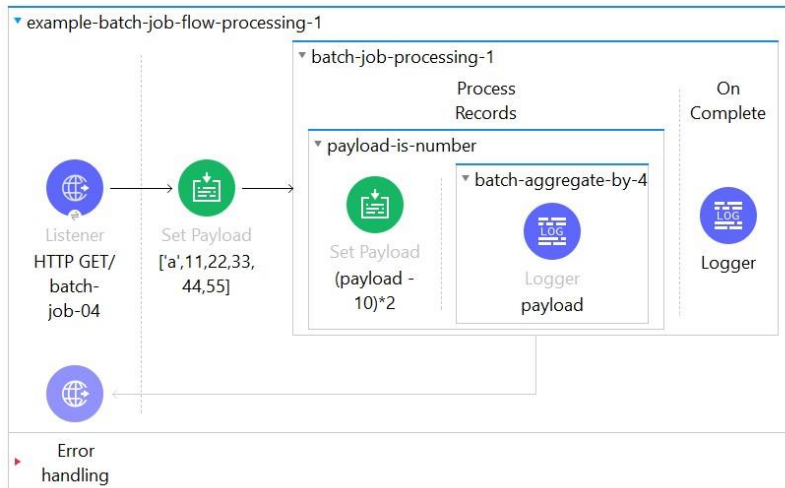


- 1) 13
- 2) 4
- 3) 12
- 4) 3

**N.143** What is not the function of API Gateway?

- 1) Specify throttling, security and other policies
- 2) Determine which traffic is authorized to pass through the API to backend services
- 3) Logs all transactions, collecting and tracking analytics data
- 4) Meter the traffic flowing through

**N.144** Refer to the exhibits. The input array of strings contains numbers and alphabets. Batch job processes, filters and aggregates the values.



payload-is-number

Console

Problems

Progress

M...

General

Metadata

Name:

payload-is-number

Notes

Accept Expression:

#[payload is Number]

Help

Accept Policy:

NO\_FAILURES (Default)

There are no errors.

```
<flow name="example-batch-job-flow-processing-1" >
  <http:listener doc:name="HTTP GET/batch-job-04" config-ref="HTTP_Listener_config" path="/batch-job-04"/>
  <set-payload value="#[['a', 11, 22, 33, 44, 55]]" doc:name="['a', 11, 22, 33, 44, 55]" />
  <batch:job jobName="batch-job-processing-1" >
    <batch:process-records >
      <batch:step name="payload-is-number" acceptExpression="#[payload is Number]">
        <set-payload value="#[(payload - 10)*2]" doc:name="(payload - 10)*2" />
        <batch:aggregator doc:name="batch-aggregate-by-4" size="4">
          <logger level="INFO" doc:name="payload" message="#[payload]" />
        </batch:aggregator>
      </batch:step>
    </batch:process-records>
    <batch:on-complete >
      <logger level="INFO" doc:name="Logger" />
    </batch:on-complete>
  </batch:job>
</flow>
```

What is the last message logged by the Logger component in batch-aggregate-by-4 after the Batch Job is completes processing?

- 1) [ a, 2, 24, 46, 68, 90]
- 2) [a, 2, 24, 46], [68,90]
- 3) [2, 24, 46, 68], [90]
- 4) [90]

What is the output payload in the On Complete phase?

- 1) [90]
- 2) Total Records processed: 6. Successful records: 5. Failed Records: 1
- 3) [ a, 2, 24, 46, 68, 90]
- 4) Total Records processed: 6. Successful records: 6. Failed Records: 0

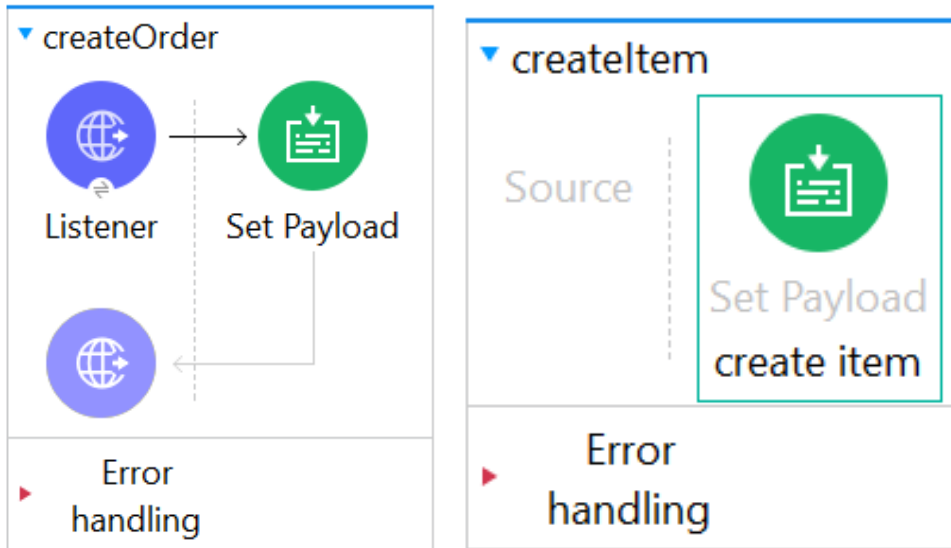
Will there be any errors in Set Payload (payload - 10) x2)?

- 1) No, everything is OK
- 2) Yes, it will be an expression error
- 3) Yes, it will be a not found error
- 4) Yes, it will be a bed request error

What is the expected output from the Logger component in batch-aggregate-by-4?

- 1) Summary report of processed records
- 2) [a, 2, 24, 46], [68,90]
- 3) [ a, 2, 24, 46, 68, 90]
- 4) [2, 24, 46, 68], [90]

**N.145** What is the correct DataWeave expression for the Set Payload transformer in createOrder flow to call the createItem flow with values for the itemTitle - book, itemPrice - 19 and itemWeight – 1,5?



Message Flow Global Elements Configuration XML

```

1 %dw 2.0
2 output application/json
3 ---
4 itemTitle: {
5   itemTitle: payload.itemTitle,
6   itemPrice: payload.itemPrice,
7   itemWeight: payload.itemWeight
8 }

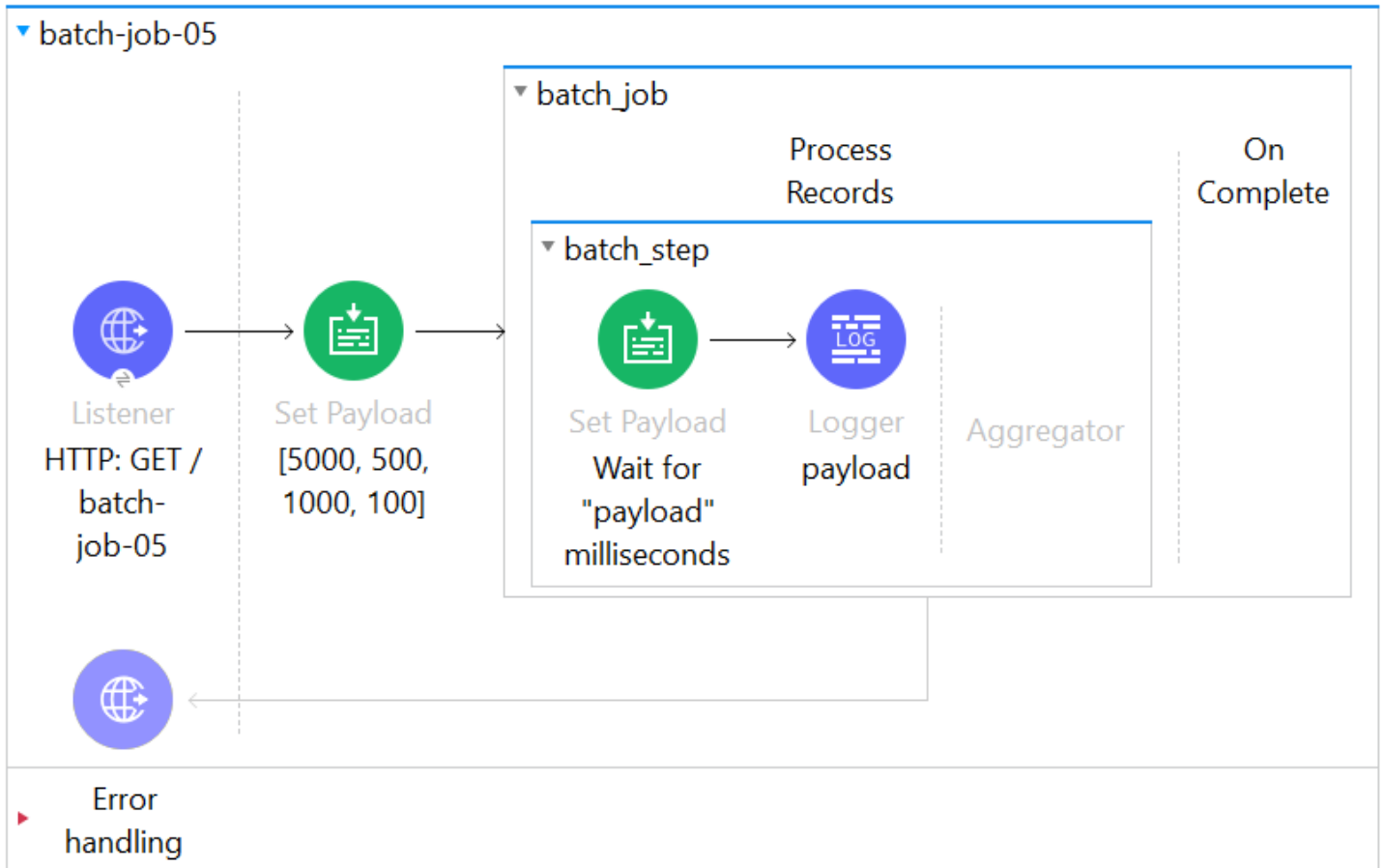
```

- 1) createItem({itemTitle: "book", itemPrice: "19", itemWeight: "1,5"})
- 2) lookup("createItem",{ "book", "19", "1,5"})
- 3) createItem ({ "book", "19", "1,5"})
- 4) lookup("createItem",{itemTitle: "book", itemPrice: "19", itemWeight: "1,5"})

**N.146** Which of the below is not a valid level for connector in Anypoint Exchange?

- 1) Gold
- 2) Select
- 3) Premium
- 4) Community

**N.147** Refer to exhibits. The Set Payload transformer in the Batch Job scope that contains DataWeave expression to sleep (pause processing) for the number of milliseconds in the current payload. What is the expected out from the Logger component after Batch Job completes processing?



- 1) 100, 500, 1000, 5000
- 2) 5000, 500, 1000, 100
- 3) 500, 100, 5000, 1000
- 4) 5000, 1000, 500, 100

**N.148** Choose one incorrect statement. When you define SLA tiers for your API

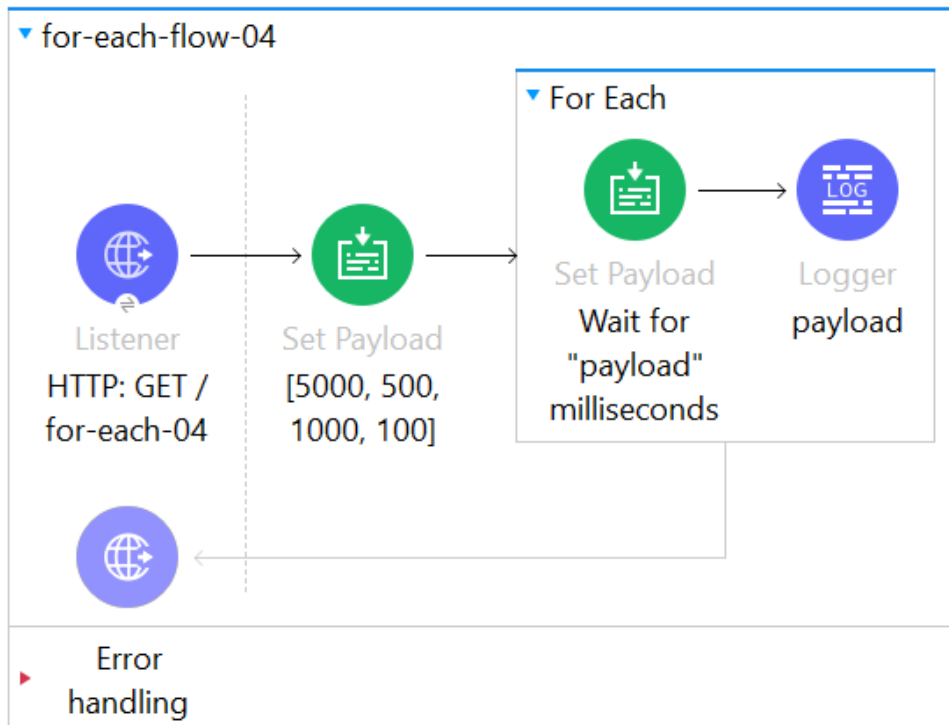
- 1) you define a category of user access
- 2) you determine whether access to the API at a certain level requires your approval
- 3) you can't edit those, just delete and define new one
- 4) you can limit the number of request an application can make to the API

## N.149 Refer to exhibits. What needs to be done to resolve this error?

```
ERROR 2021-07-04 09:38:38,737 [[MuleRuntime].uber.11: [mule_app].uber@org.mule.runtime.module.extension.internal.runtime.source.ExtensionMessageSource.lam
org.mule.runtime.api.connection.ConnectionException: Could not obtain connection from data source
Caused by: org.mule.extension.db.api.exception.connection.ConnectionCreationException: Could not obtain connection from data source
Caused by: org.mule.runtime.extension.api.exception.ModuleException: java.sql.SQLException: Error trying to load driver: com.mysql.jdbc.Driver : Cannot lo
Class 'com.mysql.jdbc.Driver' has no package mapping for region 'domain/default/app/mule_app'.,
Cannot load class 'com.mysql.jdbc.Driver': [
Class 'com.mysql.jdbc.Driver' has no package mapping for region '/domain/default'.,
Class 'com.mysql.jdbc.Driver' not found in classloader for artifact 'container'.]]
Caused by: java.sql.SQLException: Error trying to load driver: com.mysql.jdbc.Driver : Cannot load class 'com.mysql.jdbc.Driver': [
Class 'com.mysql.jdbc.Driver' has no package mapping for region 'domain/default/app/mule_app'.,
Cannot load class 'com.mysql.jdbc.Driver': [
Class 'com.mysql.jdbc.Driver' has no package mapping for region '/domain/default'.,
Class 'com.mysql.jdbc.Driver' not found in classloader for artifact 'container'.]]
at org.mule.extension.db.internal.domain.connection.JdbcConnectionFactory.createConnection(JdbcConnectionFactory.java:57) ~[mule-db-connector-1.9.
at org.mule.extension.db.internal.domain.connection.DbConnectionProvider.connect(DbConnectionProvider.java:139) ~[mule-db-connector-1.9.3-mule-plu
at org.mule.extension.db.internal.domain.connection.DbConnectionProvider.connect(DbConnectionProvider.java:71) ~[mule-db-connector-1.9.3-mule-plug
at org.mule.runtime.module.extension.internal.runtime.config.ClassloaderConnectionProviderWrapper.connect(ClassloaderConnectionProviderWrapper.jav
at org.mule.runtime.core.internal.connection.ConnectionUtils.connect(ConnectionUtils.java:49) ~[?:?]
at org.mule.runtime.core.internal.connection.AbstractConnectionProviderWrapper.connect(AbstractConnectionProviderWrapper.java:64) ~[?:?]
at org.mule.runtime.core.internal.connection.ErrorTypeHandlerConnectionProviderWrapper.connect(ErrorTypeHandlerConnectionProviderWrapper.java:64)
at org.mule.runtime.core.internal.connection.ConnectionUtils.connect(ConnectionUtils.java:49) ~[?:?]
at org.mule.runtime.core.internal.connection.AbstractConnectionProviderWrapper.connect(AbstractConnectionProviderWrapper.java:64) ~[?:?]
at org.mule.runtime.core.internal.connection.DefaultConnectionProviderWrapper.connect(DefaultConnectionProviderWrapper.java:52) ~[?:?]
```

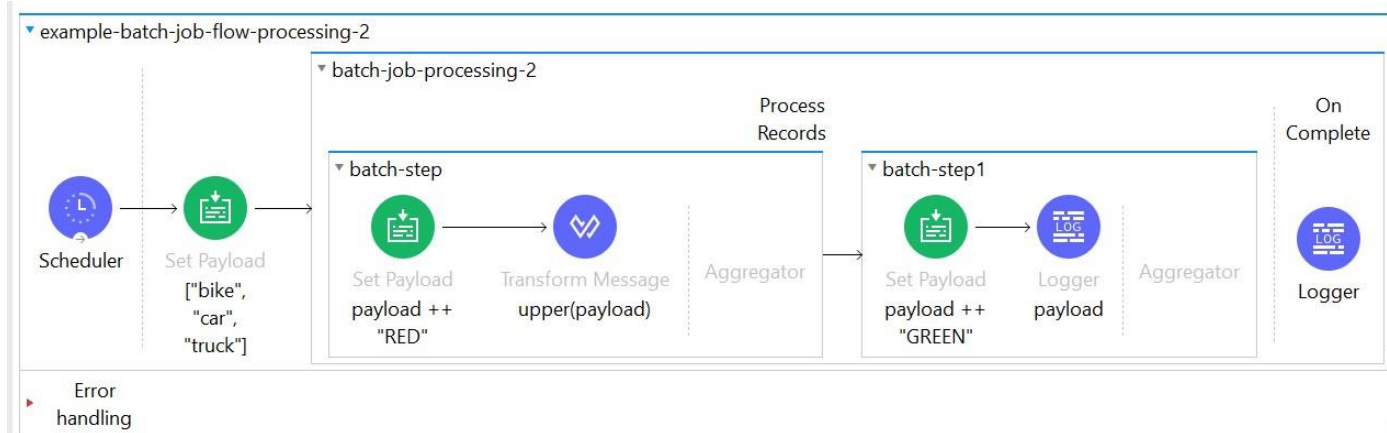
- 1) Configure the correct table name
- 2) Configure the correct database name
- 3) Configure the correct host URL
- 4) Configure the correct JDBC driver

## N.150 Refer to exhibits. The Set Payload transformer in the For Each scope that contains DataWeave expression to sleep (pause processing) for the number of milliseconds in the current payload. What is the expected out from the Logger component after For Each completes processing?



- 1) 500, 1000, 5000, 500
- 2) 5000, 500, 1000, 100
- 3) 100, 500, 1000, 5000
- 4) 100, 1000, 500, 5000

**N.151** Refer to the exhibit. The input array of strings is passed to the batch job, which does not any filtering or aggregating.



What payload is logged by the Logger component in On Complete?

- 1) ["BIKE", "CAR", "TRUCK"]
- 2) ["bikeRED", "carRED", "truckRED"]
- 3) ["BIKEREDGREEN", "CARREDGREEN", "TRUCKREDGREEN"]
- 4) Summary report of processed records

What payload is logged to Logger component in batch-step-1?

- 1) ["BIKE", "CAR", "TRUCK"]
- 2) ["bikeRED", "carRED", "truckRED"]
- 3) ["BIKERED", "CARRED", "TRUCKRED"]
- 4) ["BIKEREDGREEN", "CARREDGREEN", "TRUCKREDGREEN"]

**N.152** What is a Mule message?

- 1) The core information of the message – the data the application processes
- 2) The data that passes through an application via one or more flows
- 3) Metadata contained in the message header
- 4) Metadata for the Mule event. Can be defined and referenced in the application processing the event

**N.153** What is a Mule message composed of?

- 1) A Mule message is composed of a payload and its attributes
- 2) A Mule message is composed of variables and attributes
- 3) A Mule message is composed of a payload and its variables
- 4) A Mule message is composed of a payload

**N.154** What is the default port used by Mule application debugger configuration in Anypoint Studio?

- 1) 8081
- 2) 6666
- 3) 80
- 4) 9999

**N.155** Trying to debug application developer is having issues with port 6666 (the default port for debug configuration). Could the developer change the connection properties for debugger?

- 1) No, developer could not. Port must be 6666
- 2) Yes, developer could change to 9999 only
- 3) Yes, developer could change
- 4) Yes, developer could change to 7777 only

**N.156** Which below is the mandatory configurations for the HTTP Listener?

- 1) Response
- 2) Streaming strategy
- 3) Allowed methods
- 4) HTTP host in Connector Configuration

**N.157** Which of the activities below does not support parallel execution?

- 1) Batch job
- 2) Parallel For Each
- 3) Scatter-Gather Router
- 4) Round Robin

**N.158** How many Autodiscovery elements pointing to the API in API Manager can you have for each supported Mule runtime version for an API instance

- 1) Multiply
- 2) One
- 3) Two
- 4) Depends on API instance

**N.159** What is the purpose of the APIkit Router element in APIkit?

- 1) Validate responses returned from API requests and routes them back to the caller
- 2) Serves as an API implementation
- 3) Validates requests against RAML API specification and routes them to API implementation
- 4) Creates native connectors using a 3<sup>rd</sup> party Java library

**N.160** Global repository for all technical assets in an API or Mule application's lifecycle, central hub for saving, discovering, and collaborating on reusable assets. This definition is correct for:

- 1) Anypoint Management Center
- 2) Anypoint Design Center
- 3) Anypoint Exchange
- 4) Anypoint Studio