

**MCD - Level 1 (Mule 4)**

Time Remaining: 1:00:46

- 1 of 60.** A web client submits a request to <http://localhost:8081?accountType=personal>. The query parameter is captured using a Set Variable transformer to a variable named accountType.

What is the correct DataWeave expression to log accountType?

- A.  Account Type: #[message.inboundProperties.accountType]
- B.  Account Type: #[attributes.accountType]
- C.  Account Type: #[vars.accountType]
- D.  Account Type: #[flowVars.accountType]

Mark this item for later review.

A) C

**MCD - Level 1 (Mule 4)**

Time Remaining: 1:00:42

- 2 of 60.** 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?custid=true&custid=1234
- B.  /customers?operation=get&custid=1234
- C.  /customers/custid=1234
- D.  /customers/1234

Mark this item for later review.

A ) C

MCD - Level 1 (Mule 4)

Time Remaining: 1:00:23

- 3 of Refer to the exhibit. What is the correct way to create a user?  
60.

```
%RAML 1.0  
title: ACME Insurance API
```

```
/users:  
  post:  
    headers:  
      username: string  
      password: string  
    body:  
      application/json:
```

A. ○

Method POST Request URL: http://localhost:8081/api/users

SEND :  
Parameters ^  
Headers Authorization Body Variables Actions  
Header name Header value  
Content-Type application/json  
Header name Header value  
username max  
Header name Header value  
password mule

B. ○

Method POST Request URL: http://localhost:8081/api/users?username=headers&password=headers

SEND :  
Parameters ^  
Headers Authorization Body Variables Actions  
Header name Header value  
Content-Type application/json  
Header name Header value  
username max  
Header name Header value  
password mule  
  
ADD HEADER

C. ○

Method POST Request URL: http://localhost:8081/api/users?username=max&password=mule

SEND :  
Parameters ^  
Headers Authorization Body Variables Actions  
Header name Header value  
Content-Type application/json  
Header name Header value  
username max  
Header name Header value  
password mule  
  
ADD HEADER

A) A

POST http://localhost:8081/api/users?username=max&password=mule

Parameters ^

Headers	Authorization	Body	Variables	Actions
<input type="checkbox"/> Toggle source mode + Insert headers set				
Header name: Content-Type	Header value: application/json			X / ?
ADD HEADER				
A Headers size: 30 bytes				

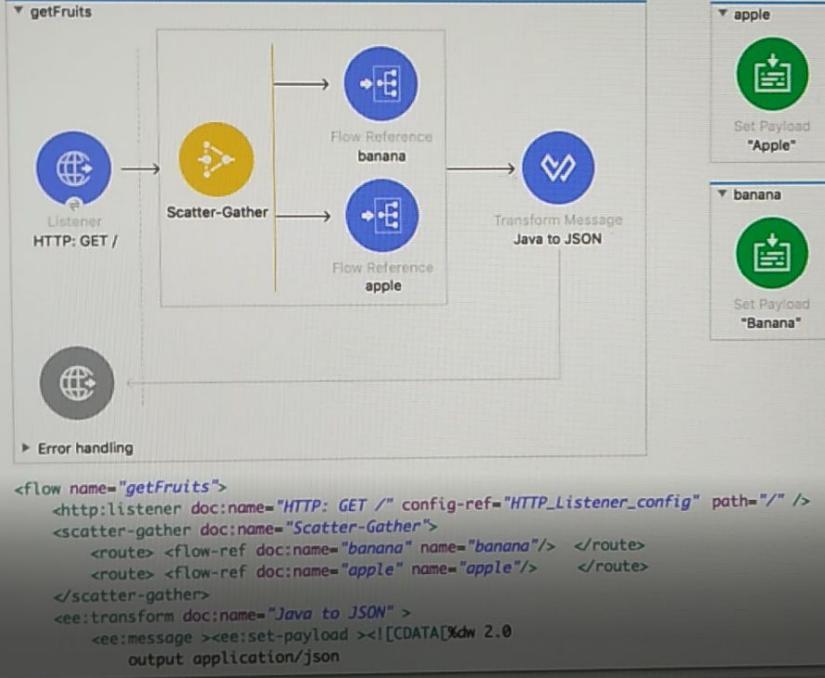
Method Request URI:  
POST http://localhost:8081/api/users/max/mule

Parameters ^

Headers	Authorization	Body	Variables	Actions
<input type="checkbox"/> Toggle source mode + Insert headers set				
Header name: Content-Type	Header value: application/json			X / ?
ADD HEADER				
A Headers size: 30 bytes				

Time Remaining: 55:55

- 4 Refer to the exhibits. A web client submits a request to <http://localhost:8081>. What is the structure of the payload at the end of the flow?  
60.



```
<flow name="getFruits">
    <http:listener doc:name="HTTP: GET /" config-ref="HTTP_Listener_config" path="/" />
    <scatter-gather doc:name="Scatter-Gather">
        <route> <flow-ref doc:name="banana" name="banana"/> </route>
        <route> <flow-ref doc:name="apple" name="apple"/> </route>
    </scatter-gather>
    <ee:transform doc:name="Java to JSON" >
        <ee:message ><ee:set-payload ><![CDATA[%dw 2.0
            output application/json
            --->
            payload]]></ee:set-payload>
        </ee:message>
    </ee:transform>
</flow>

<sub-flow name="apple"><set-payload value="Apple" doc:name="Apple"/></sub-flow>
<sub-flow name="banana"><set-payload value="Banana" doc:name="Banana"/></sub-flow>
```

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

A.  [ 'Banana', 'Apple' ]

B.  {
 "0": "Banana",
 "1": "Apple"
}

```

A. ○ ['Banana', 'Apple']

B. ● {
    "0": "Banana",
    "1": "Apple"
}

C. ○ {
    "attributes": ...,
    "payload": ['Banana', 'Apple']
}

D. ○ {
    "0": {
        "attributes": ...,
        "payload": "Banana"
    }
    "1": {
        "attributes": ...,
        "payload": "Apple"
    }
}

```

A ) D

5 Refer to the exhibits. The main flow is configured with three error handlers. A web client submits a request to the HTTP Listener and the HTTP Request throws an HTTP:NOT\_FOUND error.

60. What response message is returned?"

The screenshot shows a configuration interface with the following details:

- Main Flow:**
  - Listener: HTTP: GET /
  - Request: HTTP: GET acme.com/virgin
  - Action: Set Payload "Success - main flow"
- Error Handling (On Error Propagate type: HTTP:NOT\_FOUND):**
  - Action: Set Payload "HTTP: NOT FOUND"
- Error Handling (On Error Continue type: APP:API\_RESOURCE\_NOT\_FOUND):**
  - Action: Set Payload "APP: API RESOURCE NOT FOUND"
- Error Handling (On Error Continue when: #[true]):**
  - Action: Set Payload "Other error"

At the bottom, there is a browser window showing the URL "HTTP: GET acme.com/Virgin". The status bar indicates "HTTP NOT\_FOUND" and "Map to: APP:API\_RESOURCE\_NOT\_FOUND".

General  
MIME Type  
Advanced  
**Error Mapping**  
Metadata  
Notes

Error types to be mapped: Map to:  
HTTP-NOT\_FOUND APP-API\_RESOURCE\_NOT\_FOUND

When: #[true]  
Set Payload  
"Other error"

```
<http:listener-config name="HTTP_Listener_config" doc:name="HTTP Listener config">
    <http:listener-connection host="0.0.0.0" port="8081" />
</http:listener-config>

<flow name="main">
    <http:listener doc:name="HTTP: GET /" config-ref="HTTP_Listener_config" path="/" />
    <http:request method="GET" doc:name="HTTP: GET acme.com/virgin" url="http://acme.com/virgin" >
        <error-mapping sourceType="HTTP-NOT_FOUND" targetType="APP-API_RESOURCE_NOT_FOUND" />
    </http:request>

```

Refer to the exhibits. The main flow is configured with three error handlers. A web client submits a request to the HTTP Listener and the HTTP Request throws an HTTP-NOT\_FOUND error.

What response message is returned?

A.  Success - main flow  
B.  HTTP: NOT FOUND  
C.  Other error  
D.  APP: API RESOURCE NOT FOUND

5) D

6 Refer to the exhibits. What is a valid expression for the Choice router's When expression to route events to the domesticShipping flow?

60.

Required expression...ot defined in when.

Display Name: Is country US?

Business Events

Enabling this option will activate event tracking feature for this element and its children.

Enable default events tracking

When	Route Message to
Default	domesticShipping internationalShipping

121008 A.  #[ payload = 'US' ]  
B.  #[ payload == 'US' ]  
C.  #[ if(payload = 'US') ]  
D.  #[ if(payload == 'US') ]

A ) B

### MCD - Level 1 (Mule 4)

Time Remaining: 58:48

- 7 Refer to the exhibit. The error occurs when a project is run in Anypoint Studio. The project, which has a dependency that  
of is not in the MuleSoft Maven repository, was created and successfully run on a different computer.  
60.

What is the next step to fix the error to get the project to run successfully?

```
[WARNING] The POM for com.mulesoft.training:mock-servers:jar:1.1.2 is missing, no dependency information available
[INFO]
[INFO] BUILD FAILURE
[INFO]
[INFO] Total time: 0.253 s
[INFO] Finished at: 2018-06-14T10:52:39-07:00
[INFO] Final Memory: 1904/867M
[INFO]
[ERROR] Failed to execute goal on project app-server: Could not resolve dependencies for project com.mycompany:app-
server:mule-application:1.0.0-SNAPSHOT: Failure to find com.mulesoft.training:mock-servers:jar:1.1.2 in https://
repository.mulesoft.org/nexus-ee/content/repositories/releases-ee/ was cached in the local repository; resolution will
not be reattempted until the update interval of MuleRepository has elapsed or updates are forced > [Help 1]
```

- 008 A.  Add the dependency to the MULE\_HOME/bin folder  
B.  Edit the dependency in the Mule project's pom.xml file  
C.  Install the dependency to the computer's local Maven repository  
D.  Deploy the dependency to MuleSoft's Maven repository

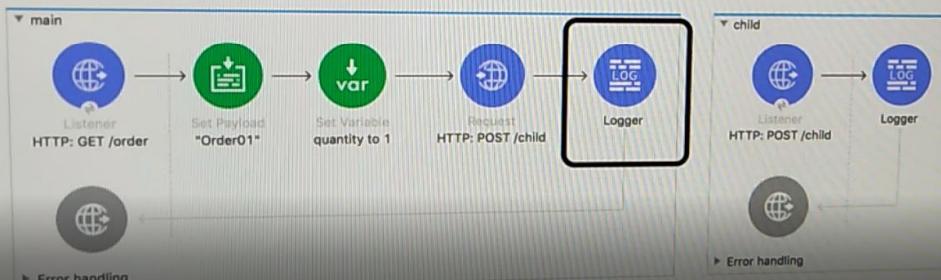
7 ) C

### MCD - Level 1 (Mule 4)

Time Remaining: 58:40

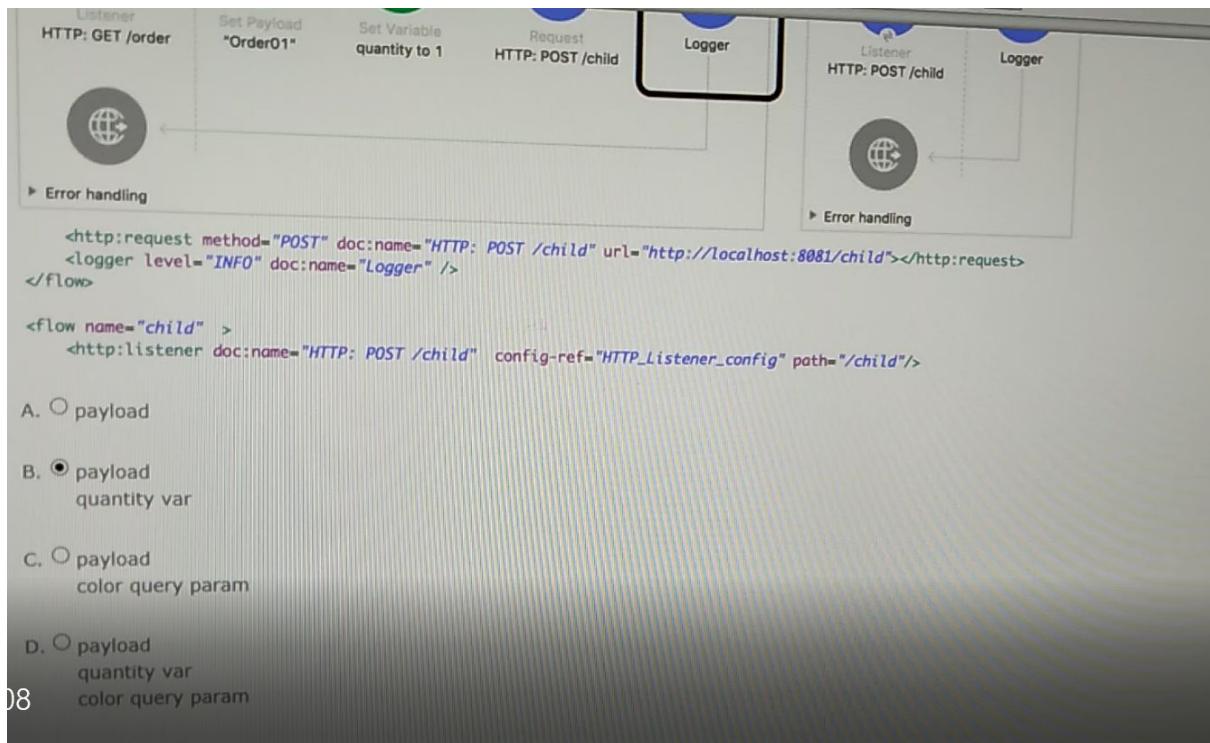
- 8 Refer to the exhibits. The main flow contains an HTTP Request in the middle of the flow. The HTTP Listeners and HTTP  
of Request use default configurations.  
60.

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

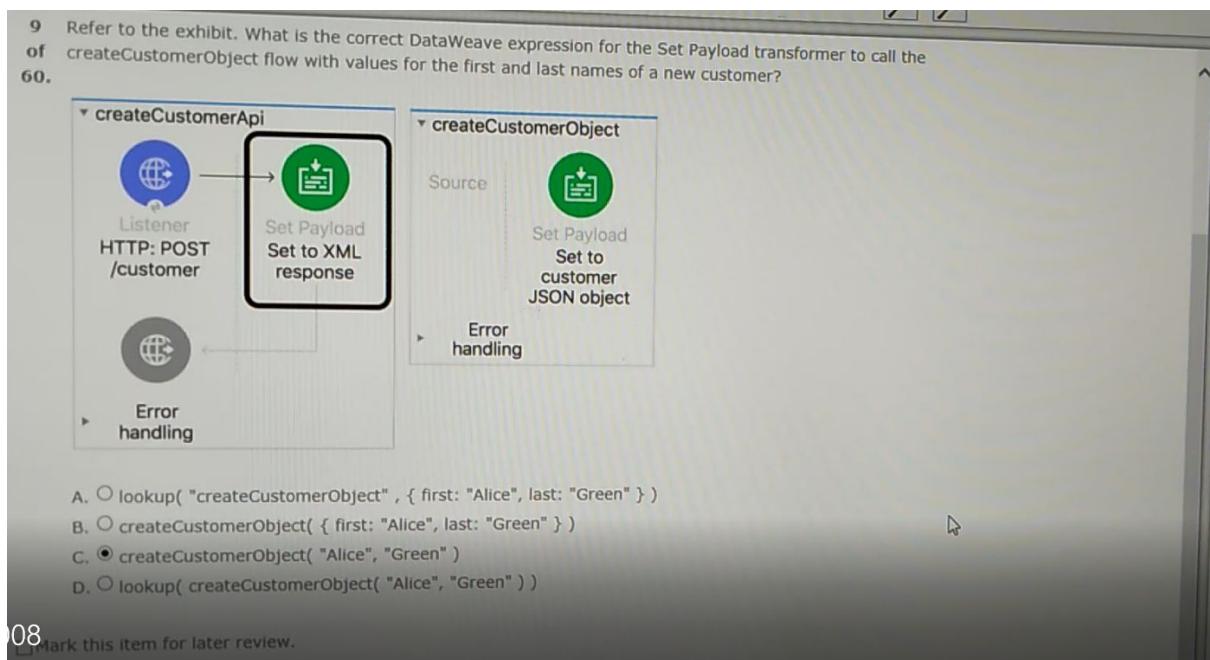


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```
<http:request method="POST" doc:name="HTTP: POST /child" url="http://localhost:8081/child"></http:request>
<logger level="INFO" doc:name="Logger" />
```



8) B



Proof :

or 1 minute when executing from other threads.

Transform

```
%dw 2.0
output application/json
---
{
  a: lookup("mySecondFlow", {b:"Hello"})
}
```

Mule Flow

9 ) A

Time Remaining: 57:58

MCD - Level 1 (Mule 4)

10 Refer to the exhibits. The orders.csv file is read, then processed to look up the orders in a database. The Mule application is debugged in Anypoint Studio and stops at the breakpoint. The Mule application

What is the payload shown in the debugger at this breakpoint?

**orders.csv**

```
orderId,account  
100, partnerA  
101, acme.com  
102, mybank.com  
103, onlineSales
```

**processOrders**

```
On New or Updated File  
File: orders.csv  
Set Payload  
Set to orderId of first row  
Set Variable  
Set orderId to "none"  
Select  
Select orderId row from accounts  
Logger  
payload
```

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

Mark this item for later review.

10 ) D

11 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?

**services** **orderEntry**

**putShipping**

```
Listener  
HTTP:8000  
PUT /shipping  
Logger
```

**postOrder**

```
Listener  
HTTP:6000  
POST /order  
Logger
```

**getShipping**

```
Listener  
HTTP:8000  
GET /shipping  
Logger
```

**deleteOrder**

```
Listener  
HTTP:7000  
DELETE /order  
Logger
```

8

**Error handling**

**getShipping**

```

graph LR
    Listener1[Listener HTTP:8000 GET /shipping] --> Logger1[Logger]
    Logger1 --> Listener2[Listener]
    Listener2 --> Error1[Error handling]
  
```

**deleteOrder**

```

graph LR
    Listener3[Listener HTTP:7000 DELETE /order] --> Logger4[Logger]
    Logger4 --> Listener4[Listener]
    Listener4 --> Error2[Error handling]
  
```

A.  1  
 B.  2  
 C.  3  
 D.  4

Mark this item for later review.

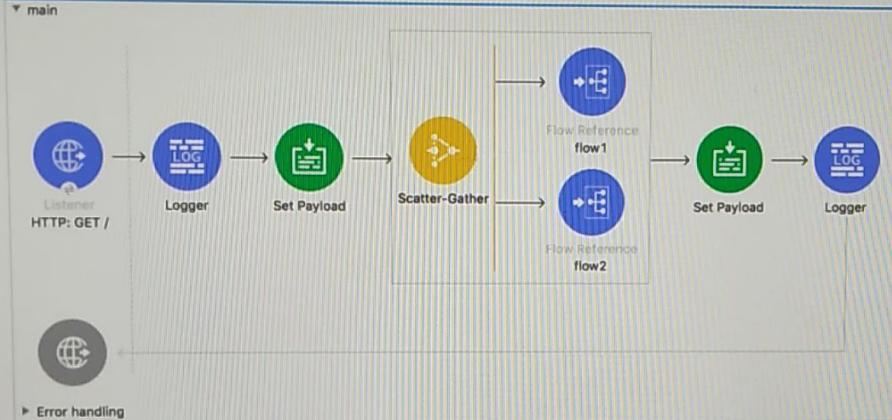
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A) 3

**12** 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.

60.

How many seconds does it take for the Scatter-Gather to complete?



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

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12 ) C

Time Remaining: 57:10

MCD - Level 1 (Mule 4)

- 13 of 60 A web client submits a request to <http://localhost:8081?firstName=John>. What is the correct DataWeave expression to access the firstName parameter?

- A.  #[attributes.queryParams.firstName]
- B.  #[message.inboundProperties.'http.query.params'.firstName]
- C.  #[message.queryParams.firstName]
- D.  #[attributes.'http.query.params'.firstName]

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A) A

Below is the Executed example:

Message Flow Global Elements Configuration XML

Set Payload Problems Console Progress

General There are no errors.

MIME Type

Metadata

Notes

Display Name: Set Payload

Settings: #[attributes.queryParams.firstName]

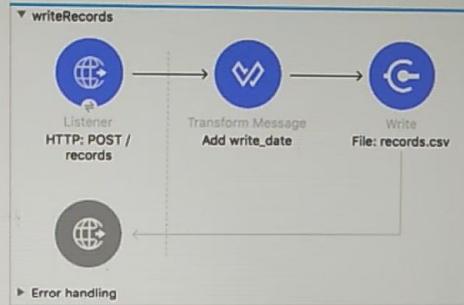
Value:

14 Refer to the exhibits. What is written to the records.csv file when the flow executes?

of

60. Payload

```
{  
    "transaction_id": "SS-4848-44KK-45YQ",  
    "account_id": "KA-382-SKD44",  
    "name": "Max Mule",  
    "position": "sell"  
}
```



```
<flow name="writeRecords" >  
    <http:listener doc:name="HTTP: POST /records" config-ref="HTTP_Listener_config"  
        path="/records" allowedMethods="POST"/>  
    <ee:transform doc:name="Add write_date">  
        <ee:message>  
            <ee:set-payload><![CDATA[%dw 2.0  
                output application/json  
                ---  
                payload ++ {"write_date": now()}}>  
            </ee:set-payload>  
        </ee:message>  
    </ee:transform>  
    <file:write doc:name="File: records.csv" path="file-store/records.csv">  
        <file:content><![CDATA[#{payload}]]></file:content>  
    </file:write>  
</flow>
```

8

```
<flow name="writeRecords" >  
    <http:listener doc:name="HTTP: POST /records" config-ref="HTTP_Listener_config"  
        path="/records" allowedMethods="POST"/>  
    <ee:transform doc:name="Add write_date">  
        <ee:message>  
            <ee:set-payload><![CDATA[%dw 2.0  
                output application/json  
                ---  
                payload ++ {"write_date": now()}}>  
            </ee:set-payload>  
        </ee:message>  
    </ee:transform>  
    <file:write doc:name="File: records.csv" path="file-store/records.csv">  
        <file:content><![CDATA[#{payload}]]></file:content>  
    </file:write>  
</flow>
```

- A.  Nothing
- B.  An error message
- C.  The JSON payload
- D.  The payload converted to CSV

Mark this item for later review.

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A ) C

MCD - Level 1 (Mule 4)

Time Remaining: 56:12

**15 of** An app team is developing a mobile banking app. It took them two months to create their own APIs to access transaction information from a central database. The app team later found out that another team had already built an API that accesses the transaction information they need.

According to MuleSoft, what organization structure could have saved the app team two months of development time?

A.  MuleSoft Support Center  
B.  Center of Excellence  
C.  Central API Review Board  
D.  Center for Enablement

Mark this item for later review.

A ) D

**16** Refer to the exhibits. What payload is logged at the end of the main flow?  
**of**  
**60.**

▼ main

```
graph LR; Listener[Listener HTTP: GET /] --> SetPayload1[Set Payload [1,2,3,4]]; SetPayload1 --> ForEach["For Each"]; subgraph ForEach [For Each]; SetPayload2[Set Payload "order" ++ payload]; end; SetPayload2 --> Logger[Logger payload];
```

▶ Error handling

```
<flow name="main" >
    <http:listener doc:name="HTTP: GET /" config-ref="HTTP_Listener_config" path="/" />
    <set-payload value="#[[1,2,3,4]]" doc:name="[[1,2,3,4]]" />
    <foreach doc:name="For Each" >
        <set-payload value="#["order" ++ payload]" doc:name="order ++ payload" />
    </foreach>
    <logger level="INFO" doc:name="payload" message="#[payload]" />
</flow>
```

```

<flow name="main" >
    <http:listener doc:name="HTTP: GET /" config-ref="HTTP_Listener_config" path="/" />
    <set-payload value="#{#[1,2,3,4]}" doc:name="Set Payload" />
    <foreach doc:name="For Each" >
        <set-payload value="#{"order" ++ payload}" doc:name="Set Payload" />
    </foreach>
    <logger level="INFO" doc:name="payload" message="#{payload}" />
</flow>

```

A.  order1order2order3order4

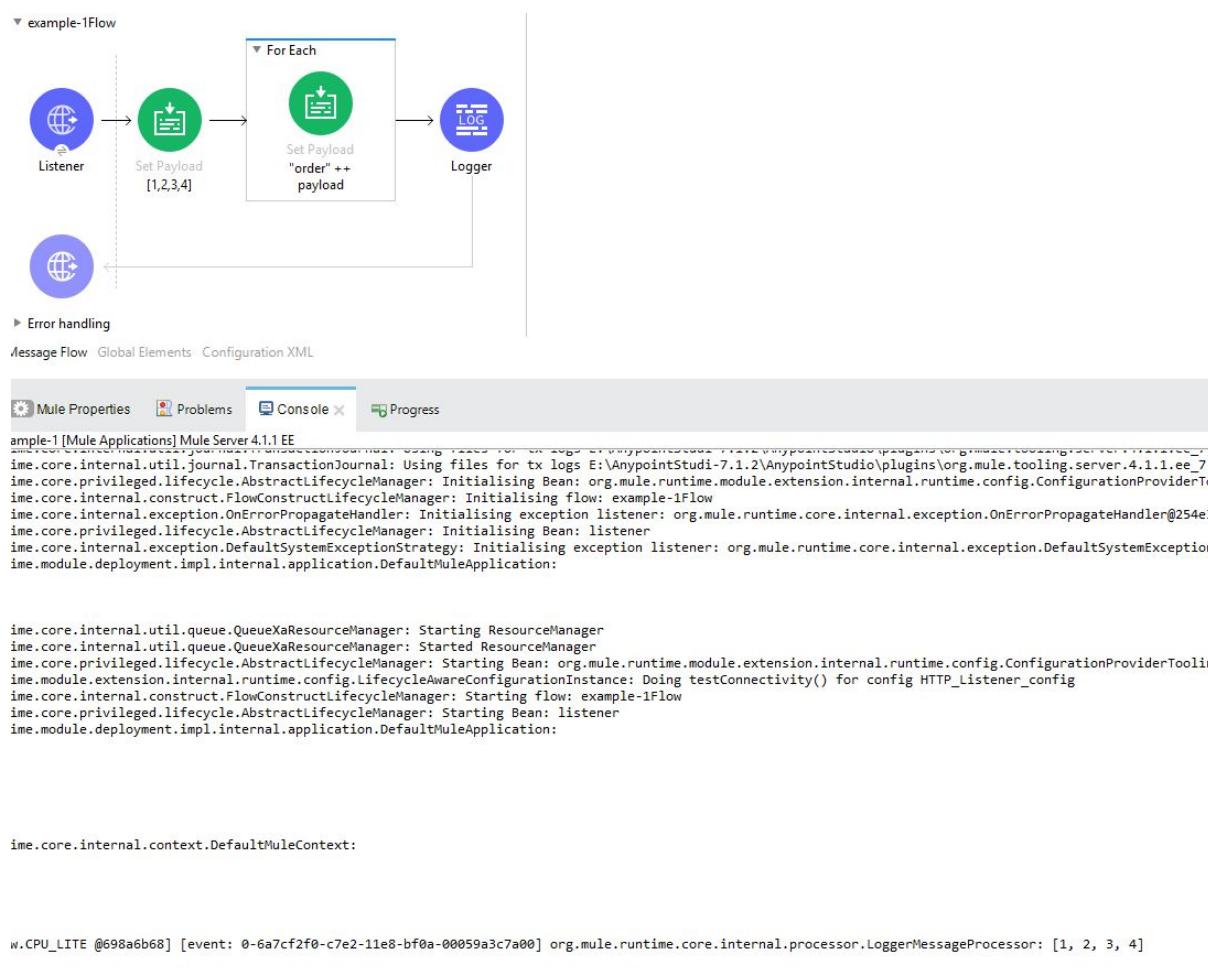
B.  [order1, order2, order3, order4]

C.  [1,2,3,4]

D.  order4

10 ▶ 30

Solution and Ans is : C



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

```
of
60. #%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.  1

B.  2

C.  3

D.  4

10 ▶ 30

A) D

#### MCD - Level 1 (Mule 4)

Time Remaining: 53:43

**18 of 60.** What execution model is used by For Each and Batch Job scopes?

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

Mark this item for later review.

A ) B

**MCD - Level 1 (Mule 4)**

Time Remaining: 53:40

**19 of 60.** Refer to the exhibit. What data is expected by the POST /accounts endpoint?

```
#%RAML 1.0
title: Accounts API
version: 1.0

/accounts:
  get:
    description: Get all accounts
    responses:
      200:
        body:
          application/json:
            example:
              id: "48292"
              name: Geordi La Forge
              address: 1 Forge Way, Midgard, CA 95928
              customer_since: "2014-01-04"
              balance: 4829.29
  post:
    description: Create an account
```

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```
/accounts:
  get:
    description: Get all accounts
    responses:
      200:
        body:
          application/json:
            example:
              id: "48292"
              name: Geordi La Forge
              address: 1 Forge Way, Midgard, CA 95928
              customer_since: "2014-01-04"
              balance: 4829.29
  post:
    description: Create an account
    body:
      application/json:
        example:
          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"
```

Refer to the exhibit. What data is expected by the POST /accounts endpoint?

- A.  `<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>`
- B.  `{  
 "id": "48292",  
 "name": "Geordi La Forge",  
 "address": "1 Forge Way, Midgard, CA 95928",  
 "customer_since": "2014-01-04",  
 "balance": 4829.29  
}`
- C.  `<item>  
 <name>Geordi La Forge</name>  
 <address>1 Forge Way, Midgard, CA 95928</address>  
 <customer_since>2014-01-04</customer_since>  
 <balance>4829.29</balance>  
 <bank_agent_id>48-SJT-282924-KL</bank_agent_id>  
</item>`
- D.  `{  
 "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"  
}`

A) D

**MCD - Level 1 (Mule 4)**

Time Remaining: 53:08

**20** Refer to the exhibits. A web client submits a request to <http://localhost:8081/flights?destination=SFO> and the Web Service Consumer throws a WSC:BAD\_REQUEST error.

**60.** What is the next step to fix this error?

**getFlights**

```

graph LR
    Listener[Listener  
HTTP: GET /flights] --> Consume[Consume  
WSC: flights]

```

Message parameters.: Cannot build default body request for operation [findFlight], the operation requires input parameters.

Error type: WSC:BAD\_REQUEST

Element: 10.02.06-soaperrorFlow/processors/0 @ 10.02.06-soaperror:10.02.06-soaperror.xml:21 (Consume)

Element XML: <wsc:consume doc:name="Consume" doc:id="49a84a74-2848-4a65-b93f-dcbf59fd412" config-ref="Web\_Service\_Consumer\_Config" operation="findFlight"></wsc:consume>

(set debug level logging or '-Dmule.verbose.exceptions=true' for everything)

A.  Set a property in the Consume operation equal to the destination query parameter  
B.  Set a SOAP payload before the Consume operation that contains the destination query parameter  
C.  Set a JSON payload before the Consume operation that contains the destination query parameter  
D.  Set a header in the Consume operation equal to the destination query parameter

A ) B

21 Refer to the exhibits. The main flow contains an HTTP Request. The HTTP Listeners and HTTP Request use default configurations.

60. What values are accessible in the child flow after a web client submits a request to [http://localhost:8081/order?color=red?](http://localhost:8081/order?color=red)

```

graph LR
    subgraph main
        Listener1[Listener  
HTTP: GET /order] --> SetPayload1[Set Payload  
"Order01"]
        SetPayload1 --> SetVar1[Set Variable  
quantity to 1]
        SetVar1 --> Request1[Request  
POST: HTTP /child]
    end
    subgraph child
        Listener2[Listener  
HTTP: POST /child] --> Logger1[Logger]
    end

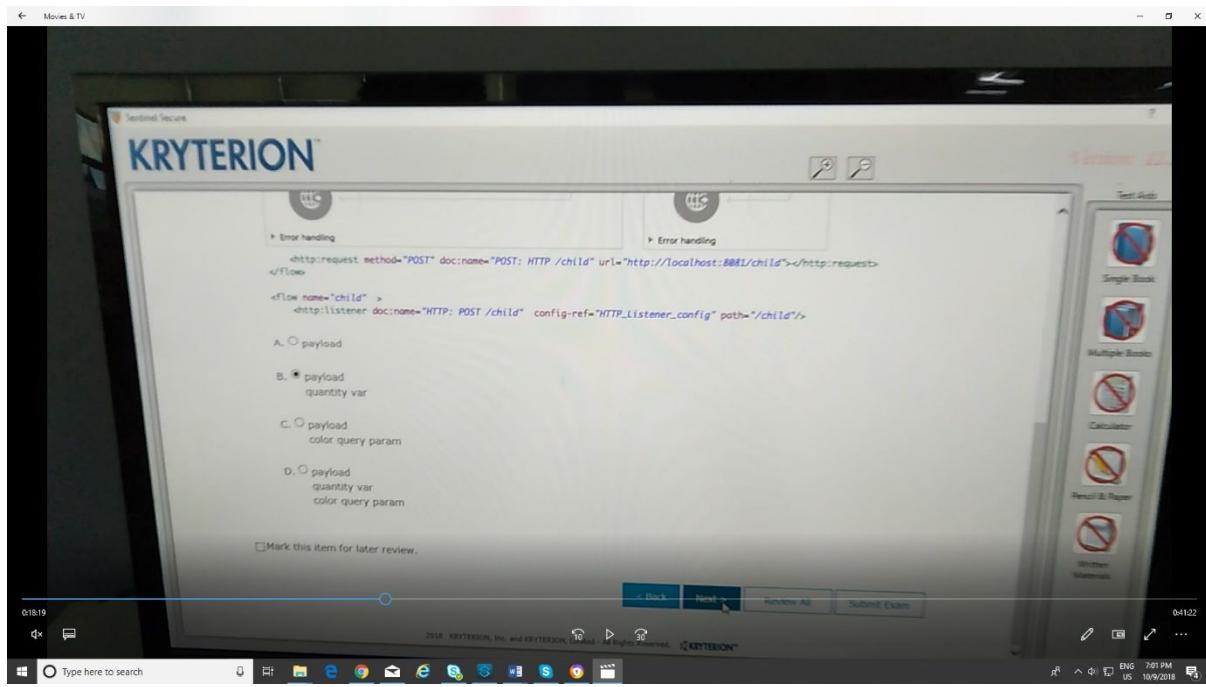
```

```

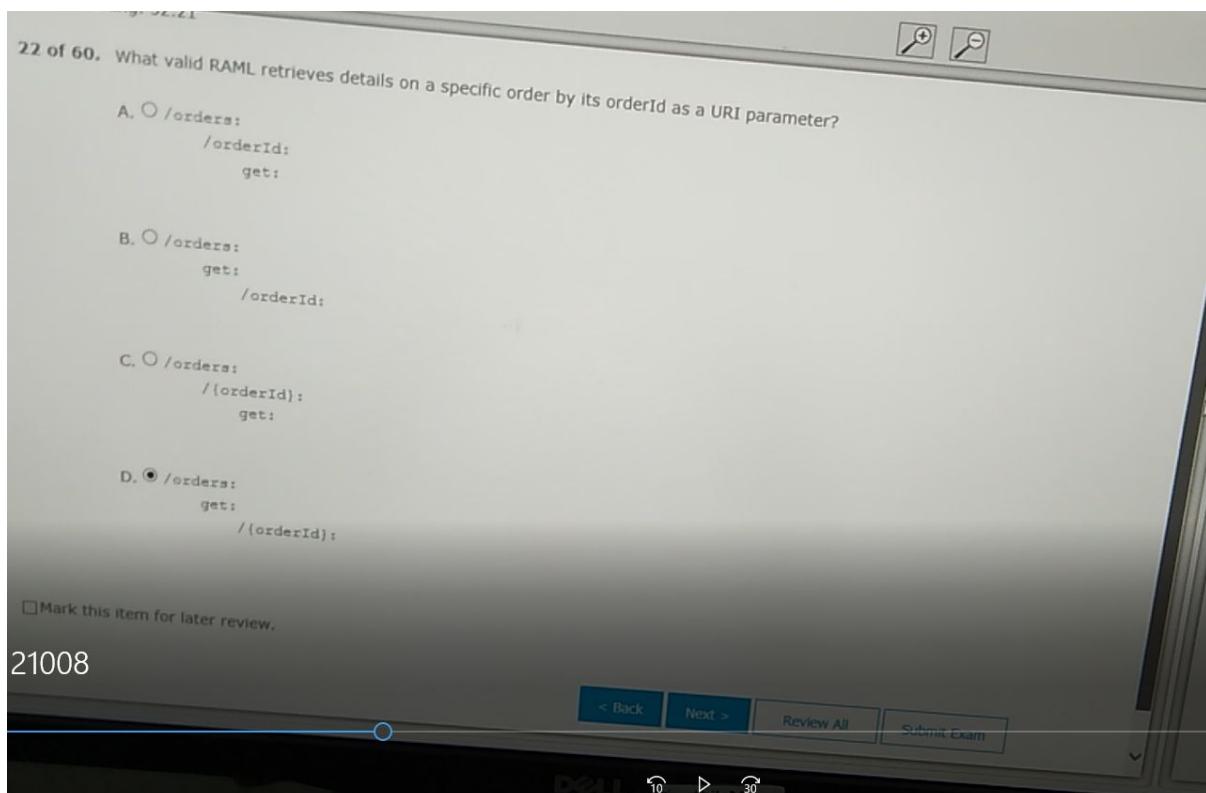
<http:request method="POST" doc:name="POST: HTTP /child" url="http://localhost:8081/order?color=red"></http:request>
<flow name="child" >
    <http:listener doc:name="HTTP: POST /child" config-ref="HTTP_Listener_config" path="/child"/>

```

008 A.  payload  
B.  payload  
C.  quantity var



ANS:- (A) payload



ANS:- (C) /orders

`/{{orderId}}`

`get:`

Reason:-

```

#%RAML 1.0
baseUri: https://mocksvc.mulesoft.com/mocks/85d70045-a953-49e3-8995-
1a7b9a01f0a0 #
title: Ex
version: 1.0
/orders:
  /{orderId}:
    get:
      description: Retrieve a specific OrderId
      responses:
        200:
          body:
            application/json:
              example: |
                {
                  "id": "SbBGk",
                  "title": "Stiff: The Curious Lives of Human Cadavers",
                  "description": null,
                  "datetime": 1341533193,
                  "genre": "science",
                }

```

MCD - Level 1 (Mule 4)

Time Remaining: 52:10

23 Refer to the exhibits. The Batch Job processes, filters, and aggregates records. What is the expected output from the 60.

```

<flow name="main" >
  <scheduler doc:name="Scheduler" > <scheduling-strategy >
    <fixed-frequency frequency="10000"/> </scheduling-strategy> </scheduler>
  <set-payload value="#{1,2,3,4,5,6}" doc:name="f1,2,3,4,5,6" />
</flow>

```

```
payload
▶ Error handling

<flow name="main" >
  <scheduler doc:name="Scheduler" > <scheduling-strategy >
    <fixed-frequency frequency="10000"/> </scheduling-strategy> </scheduler>
    <set-payload value="#{[[1,2,3,4,5,6]]}" doc:name="[[1,2,3,4,5,6]]" />
    <batch:job jobName="processRecordsBatchJob" >
      <batch:process-records >
        <batch:step name="Batch_Step_With_Filter" acceptExpression="#{(payload mod 2) == 0}">
          <ee:transform doc:name="Multiply by 10"><ee:message >
            <ee:set-payload ><![CDATA[%dw 2.0
              output application/java
              payload * 10]]></ee:set-payload>
          </ee:message></ee:transform>
          <batch:aggregator doc:name="Batch_Aggregate_2" size="2">
            <logger level="INFO" doc:name="payload" message="#{payload}"/>
          </batch:aggregator>
        </batch:step>
      </batch:process-records>
    </batch:job>
  </flow>
```

```
    <batch:aggregator>
      </batch:step>
    </batch:process-records>
  </batch:job>
</flow>
```

Refer to the exhibits. The Batch Job processes, filters, and aggregates records. What is the expected output from the Logger component?

- A.  [20, 40, 60]
- B.  [10, 20]  
[30, 40]  
[50, 60]
- C.  [20, 40]  
[60]
- D.  [10, 20, 30, 40, 50, 60]

Ans:- I run this application and I got from Any point Studio this solution:-

Option is : C

MCD - Level 1 (Mule 4)

Time Remaining: 51:36

24 of 60. What payload is returned by a Database SELECT operation that does not match any rows in the database?

- A.  Empty Array
- B.  null
- C.  false
- D.  Exception

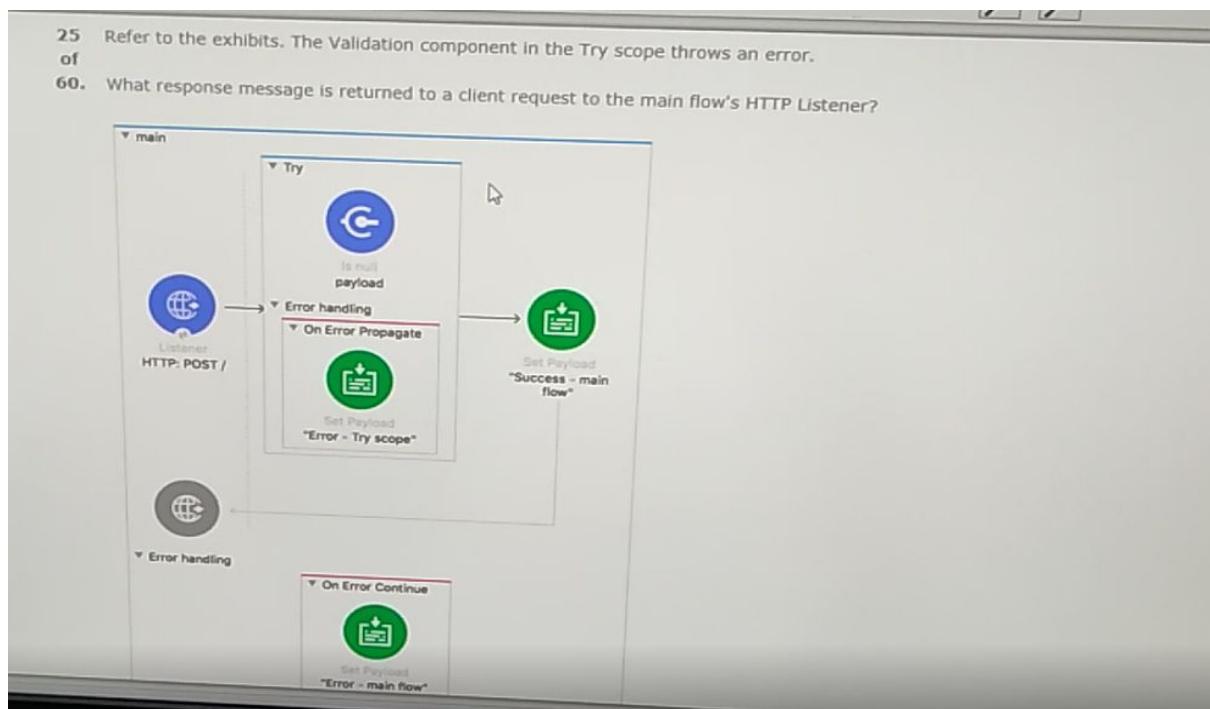
Mark this item for later review.

ANS:- If We will take not matching rows from databases by using SLEECT operation then Output is :[]

(A) Empty Array

25 Refer to the exhibits. The Validation component in the Try scope throws an error.  
of

60. What response message is returned to a client request to the main flow's HTTP Listener?



Error handling

```

<flow name="main">
  <http:listener doc:name="HTTP: POST /" config-ref="HTTP_Listener_config" path="/" />
  <try doc:name="Try">
    <validation:is-null doc:name="payload" value="#{payload}" message="Validation Error"/>
    <error-handler>
      <on-error-propagate enableNotifications="true" logException="true" doc:name="On Error Propagate">
        <set-payload value="Error - Try scope" doc:name="Error - Try scope"/>
      </on-error-propagate>
    </error-handlers>
  </try>
  <set-payload value="Success - main flow" doc:name="Success - main flow" />
  <error-handler>
    <on-error-continue enableNotifications="true" logException="true" doc:name="On Error Continue">
      <set-payload value="Error - main flow" doc:name="Error - main flow" />
    </on-error-continue>
  </error-handlers>
</flow>

```

Refer to the exhibits. The Validation component in the Try scope throws an error.

What response message is returned to a client request to the main flow's HTTP Listener?

```

    <set-payload value="Error - Try scope" doc:name="Error - Try scope"/>
  </on-error-propagate>
  </error-handlers>
</try>
<set-payload value="Success - main flow" doc:name="Success - main flow" />
<error-handler>
  <on-error-continue enableNotifications="true" logException="true" doc:name="On Error Continue">
    <set-payload value="Error - main flow" doc:name="Error - main flow" />
  </on-error-continue>
</error-handlers>
</flow>

```

Refer to the exhibits. The Validation component in the Try scope throws an error.

What response message is returned to a client request to the main flow's HTTP Listener?

A.  Success - main flow  
 B.  Validation Error  
 C.  Error - main flow  
 D.  Error - Try scope

Mark this item for later review.

[Back](#) [Next](#) [Review All](#) [Submit Exam](#)

**ANS:- Executed this one successfully and it gives response to client “Error-Main Flow”.**

### (C) Error-Main flow

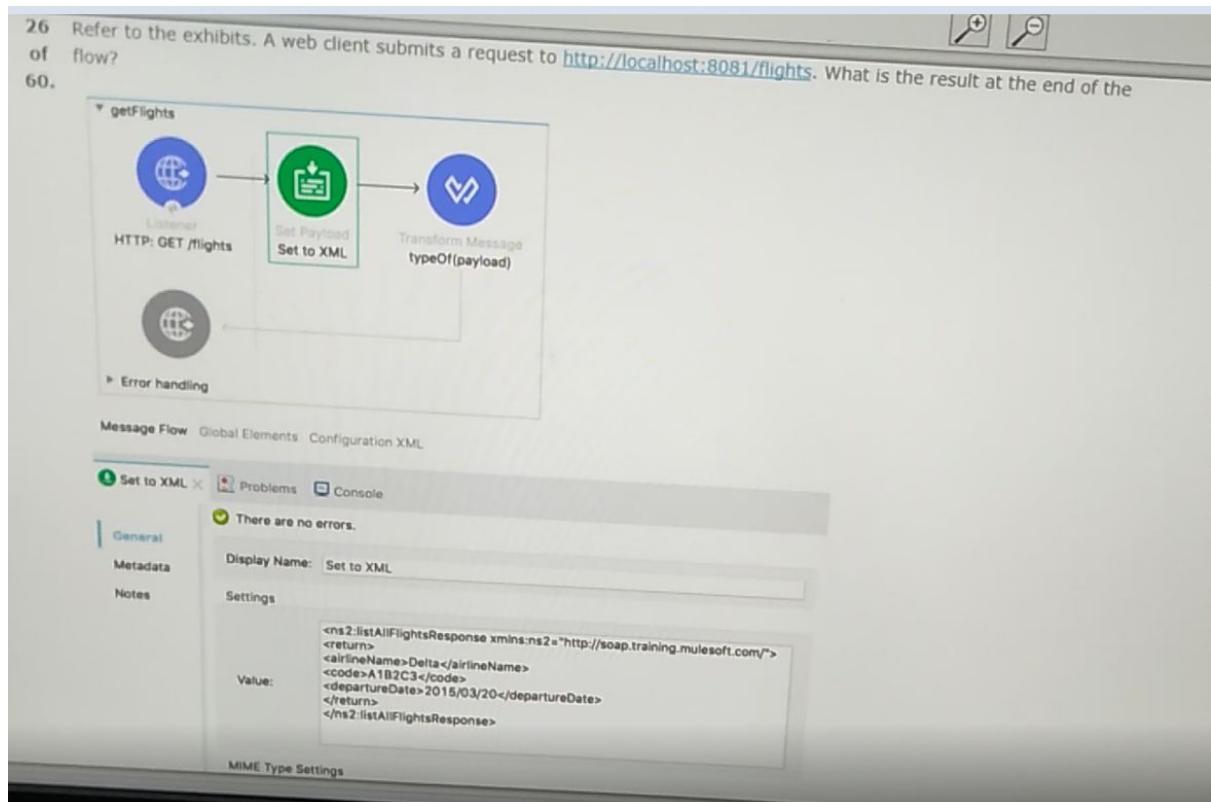
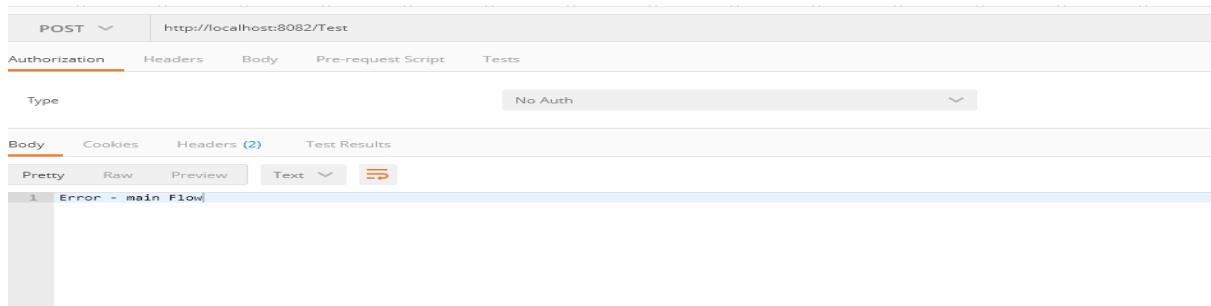
#### Results :

```

*****
+ APPLICATION + - + DOMAIN + - + STATUS + - + *
*****
* default           * DEPLOYED   *
*****
19:15:19,849 [[MuleRuntime].cpulight.07: [example-25].main.CPU_LITE @7c36b088] [event: 0-b8c9f0a0-d149-11e8-8185-00059a3c7a00] org.mule.runtime.core.privileged.lifecycle.AbstractLifecycleManager: Initialising Bean: org.mule.runtime.module.ext:
19:15:19,852 [[MuleRuntime].cpulight.07: [example-25].main.CPU_LITE @7c36b088] [event: 0-b8c9f0a0-d149-11e8-8185-00059a3c7a00] org.mule.runtime.core.privileged.lifecycle.AbstractLifecycleManager: Starting Bean: org.mule.runtime.module.extensi:
19:15:19,918 [[MuleRuntime].cpulight.07: [example-25].main.CPU_LITE @7c36b088] [event: 0-b8c9f0a0-d149-11e8-8185-00059a3c7a00] org.mule.runtime.core.internal.exception.OnErrorPropagateHandler:
*****
: value was expected to be null.
: VALIDATION:NOT_NULL
: mainprocessors/0/processors/0 @ example-25:example-25.xml:14 (payload)
: <validation:is-null doc:name="payload" doc:id="cb800e7fbbe4080-8d3-fa012df39c7a" value="#{payload}"></validation:is-null>
1 logging or '-Dmule.verbose.exceptions=true' for everything
*****
19:15:20,889 [[MuleRuntime].cpulight.07: [example-25].main.CPU_LITE @7c36b088] [event: 0-b8c9f0a0-d149-11e8-8185-00059a3c7a00] org.mule.runtime.core.internal.processor.LoggerMessageProcessor: On Error Try Scope Payload is : Error - Try Scope
19:15:20,891 [[MuleRuntime].cpulight.07: [example-25].main.CPU_LITE @7c36b088] [event: 0-b8c9f0a0-d149-11e8-8185-00059a3c7a00] org.mule.runtime.core.internal.processor.LoggerMessageProcessor: On Error Continue Payload is: Error - main Flow

```

## Post Man Screen shot :



`</ns2:listAllFlightsResponse>`

MIME Type Settings

Encoding:

MIME Type:

```
<flow name="getFlights" >
  <http:listener doc:name="HTTP: GET /flights" config-ref="HTTP_Listener_config" path="/flights"/>
  <set-payload value='&lt;ns2:listAllFlightsResponse xmlns:ns2="http://soap.training.mulesoft.com/"&gt;
    &lt;return&gt;
      &lt;airlineName&gt;Delta&lt;/airlineName&gt;
      &lt;code&gt;A1B2C3&lt;/code&gt;
      &lt;departureDate&gt;2015/03/20&lt;/departureDate&gt;
    &lt;/return&gt;
    &lt;/ns2:listAllFlightsResponse&gt;' doc:name="Set to XML" />
  <ee:transform doc:name="typeOf(payload)" doc:id="43898508-15e2-4cb7-8d0b-bd9c2929209e" >
    <ee:message><ee:set-payload >![[CDATA[<dw 2.0
      <!--
        typeOf(payload)]]></ee:set-payload>
    </ee:message>
  </ee:transform>
</flow>
```

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

A.  "XML"

`</ns2:listAllFlightsResponse>`

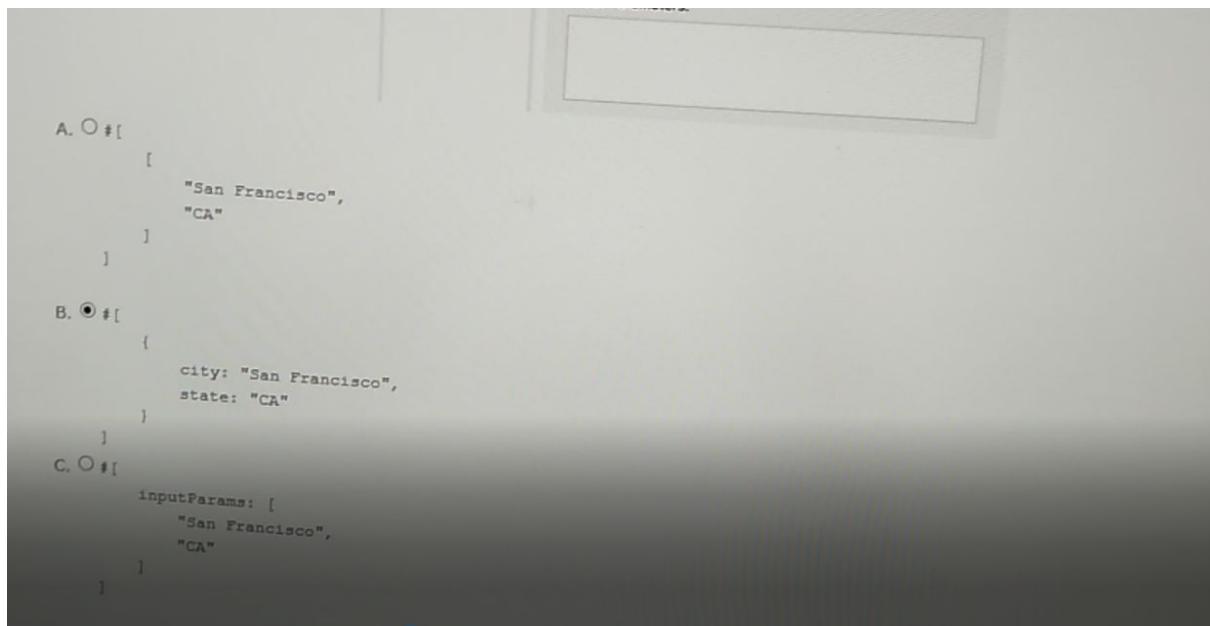
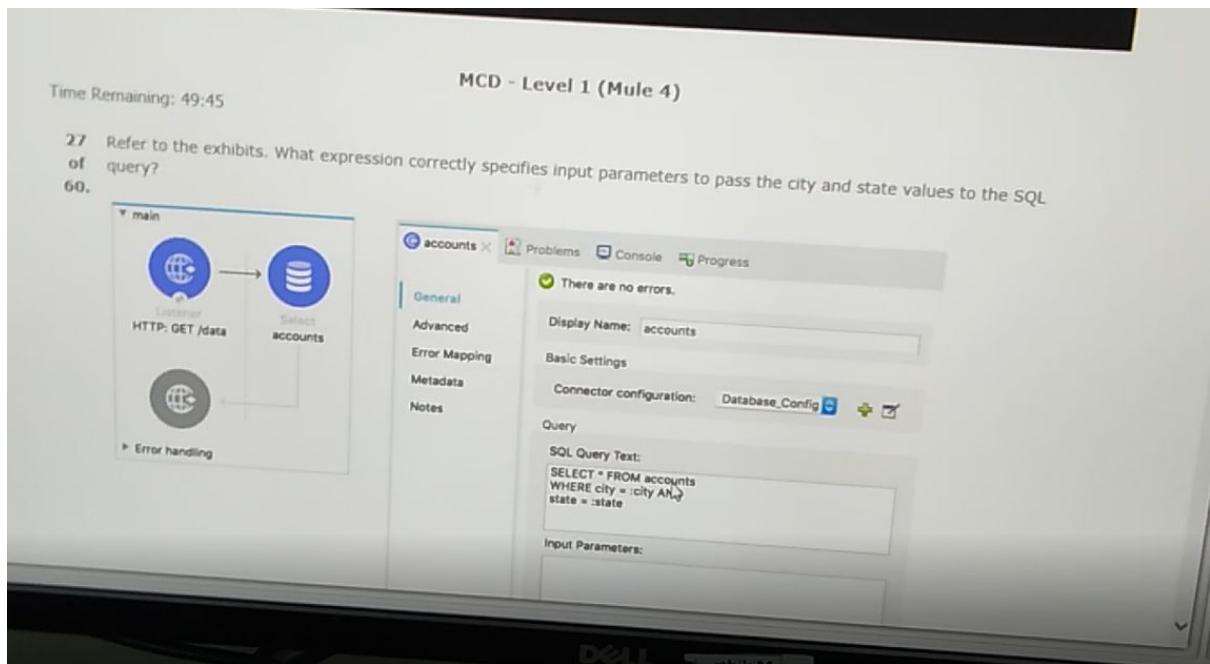
```
<flow name="getFlights" >
  <http:listener doc:name="HTTP: GET /flights" config-ref="HTTP_Listener_config" path="/flights"/>
  <set-payload value='&lt;ns2:listAllFlightsResponse xmlns:ns2="http://soap.training.mulesoft.com/"&gt;
    &lt;return&gt;
      &lt;airlineName&gt;Delta&lt;/airlineName&gt;
      &lt;code&gt;A1B2C3&lt;/code&gt;
      &lt;departureDate&gt;2015/03/20&lt;/departureDate&gt;
    &lt;/return&gt;
    &lt;/ns2:listAllFlightsResponse&gt;' doc:name="Set to XML" />
  <ee:transform doc:name="typeOf(payload)" doc:id="43898508-15e2-4cb7-8d0b-bd9c2929209e" >
    <ee:message><ee:set-payload >![[CDATA[<dw 2.0
      <!--
        typeOf(payload)]]></ee:set-payload>
    </ee:message>
  </ee:transform>
</flow>
```

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

A.  "XML"  
B.  "Java"  
C.  "Object"  
D.  "String"

**ANS:- Response is coming as “String”**

**(D) “String”**



C.  #  
    inputParams: [  
        "San Francisco",  
        "CA"  
    ]  
]  
  
D.  #  
    inputParams: {  
        city: "San Francisco",  
        state: "CA"  
    }  
]

Mark this item for later review.

**ANS:- (B) #**

```
{  
    city: "San Fransisco",  
    state: "CA"  
}
```

MCD - Level 1 (Mule 4)  
Time Remaining: 49:05

28 of 60. Why would a Mule application use the \${http.port} property placeholder for its HTTP Listener port when it is deployed to CloudHub?

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

Mark this item for later review.

**ANS:- (A)** Allowed Cloudhub to automatically change the HTTP port to allowed external clients to connect to the HTTP Listener.

MCD - Level 1 (Mule 4)

Time Remaining: 48:58

**29 of 60.** According to MuleSoft, what is the first step to create a Modern API?

- A.  Performance tune and optimize the backend systems and network
- B.  Gather a list of requirements to secure the API
- C.  Create a prototype of the API implementation
- D.  Create an API specification and get feedback from stakeholders

Mark this item for later review.

**ANS:-**Morden APIs are much more standardized, they have a much stronger discipline for security and governance, as well as monitored and managed for performance and scale.

The modern API has its own software development lifecycle (SDLC) of designing, testing, building, managing, and versioning. Also, modern APIs are well documented for consumption and versioning.

**(B) Gather a list of requirements to secure the API.**

MCD - Level 1 (Mule 4)

Time Remaining: 47:53

**30 of 60.** What is the output type of the DataWeave map operator?

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

Mark this item for later review.

**ANS:-** <https://docs.mulesoft.com/mule-runtime/4.1/dataweave-cookbook-map>

**(C) Array**

Time Remaining: 47:08

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

of  
60.

Process Records

On Complete

Scheduler → Set Payload [1,2,3] → processRecordsBatchJob → Batch\_Step1 → Aggregator → Set Payload "StepOne" ++ payload → Batch\_Step2 → Aggregator → Set Payload "StepTwo" ++ payload → On Complete → Logger payload

Error handling

A.  Summary statistics with NO record data  
 B.  The original payload: [1,2,3]  
 C.  The records processed by all batch steps: [StepTwoStepOne1, StepTwoStepOne2, StepTwoStepOne3]  
 D.  The records processed by the last batch step: [StepTwo1, StepTwo2, StepTwo3]

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ANS:- (A) Summary stastics with No record data

32 Refer to the exhibit. The API needs to be updated using the company-wide standard for the Plan data type. The Object of data type has already been published in Anypoint Exchange with the global reference

of  
60. ACME/DataTypes/PlanDataType.raml.

What is a valid RAML specification that reuses the Plan data type?

```
#%RAML 1.0
title: ACME Telecom API
version: 1.0

/plans:
  get:
    responses:
      200:
        body:
          application/json:
            example: |
              [
                {
                  "plan_type": "Super Saver 500",
                  "plan_details": "all-inclusive",
                  "monthly_discount": 0.10
                },
                {
                  "plan_type": "Business Plus 1000",
                  "plan_details": "business package",
                  "monthly_discount": 0.20
                }
              ]
```

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Refer to the exhibit. The API needs to be updated using the company-wide standard for the Plan data type. The Object data type has already been published in Anypoint Exchange with the global reference ACME/DataTypes/PlanDataType.raml.

What is a valid RAML specification that reuses the Plan data type?

A.

```
#%RAML 1.0
title: ACME Telecom API
version: 1.0
dataTypes:
  Plan: !include ACME/DataTypes/PlanDataType.raml
/plans:
  get:
```

What is a valid RAML specification that reuses the Plan data type?

A.

```
#%RAML 1.0
title: ACME Telecom API
version: 1.0

dataTypes:
  Plan: !include ACME/DataTypes/PlanDataType.raml

/plans:
  get:
    responses:
      200:
        body:
          application/json:
            type: Plan[]
            example: !include ACME/Examples/PlanExamples.raml
```

B.

```
#%RAML 1.0
title: ACME Telecom API
version: 1.0

types:
  Plan: !include ACME/DataTypes/PlanDataType.raml
/plans:
  get:
    responses:
      200:
        body:
          application/json:
            type: Plan[]
            example: !include ACME/Examples/PlanExamples.raml
```

C.

```
#%RAML 1.0
title: ACME Telecom API
version: 1.0

dataTypes:
  Plan: !include ACME/DataTypes/PlanDataType.raml
```

The screenshot shows a RAML API definition editor interface. At the top, there is a code editor window containing RAML 1.0 code. Below it is another code editor window labeled 'D.' containing the same or similar code. A status bar at the bottom indicates 'Mark this item for later review.' To the right of the code editors are several buttons: '< Back', 'Next >', 'Review All', and 'Submit Exam'. A watermark for '2018 KRYTERION, Inc. and KRYTERION, Limited - All rights reserved' is visible across the bottom.

```

version: 1.0
dataTypes:
  Plan: !reference ACME/DataTypes/PlanDataType.raml

/plans:
  get:
    responses:
      200:
        body:
          application/json:
            type: Plan[]
            example: !reference ACME/Examples/PlanExamples.raml

#%RAML 1.0
title: ACME Telecom API
version: 1.0

types:
  Plan: !reference ACME/DataTypes/PlanDataType.raml

/plans:
  get:
    responses:
      200:
        body:
          application/json:
            type: Plan[]
            example: !reference ACME/Examples/PlanExamples.raml

```

A) B

Reference Screen shot below and Link : <https://dzone.com/articles/designing-api-with-raml>

## Includes in RAML

As we go on with the design, our API will start getting repetitive and we will be writing and copying many things again and again. To overcome this issue RAML provides a mechanism to do include in your API by taking out examples, schema, security, etc. to separates file and then using include to put them in place. We can refactor our API definition using includes, making it more concise and less likely to contain the types of errors that result from the “copy/paste/fix everywhere” methodology.

For example, we can put the data type for a customer object in the file types `/customer.raml` and the type for an Error object in types `/error.raml`. Our types section will look like this:

```

YAML
1 types:
2   Customer: !include types/Customer.raml
3   Error: !include types/Error.raml

```

**MCD - Level 1 (Mule 4)**

Time Remaining: 45:14

**33 of 60.** By default, what happens to a file after it is read using an FTP connector Read operation?

- A.  The file is moved to a different folder
- B.  The file is deleted from the folder
- C.  The file stays in the same folder unchanged
- D.  The file is renamed in the same folder

Mark this item for later review.

**ANS:- (C)**

Time Remaining: 44:56

**34 of 60.** A Mule project contains a MySQL Database dependency. The project is exported from Anypoint Studio so it can be deployed to CloudHub.

What export options create the smallest deployable archive that will successfully deploy to CloudHub?

- A.  Attach project sources  
 Include project modules and dependencies
- B.  Attach project sources  
 Include project modules and dependencies
- C.  Attach project sources  
 Include project modules and dependencies
- D.  Attach project sources  
 Include project modules and dependencies

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Mark this item for later review.

**ANS:- (D)**

MCD - Level 1 (Mule 4)

Time Remaining: 44:07

35 of 60. A Mule flow has three Set Variable transformers. What global data structure can be used to access the variables?

- A.  Mule event
- B.  Mule application properties
- C.  Mule event attributes
- D.  Mule event message

Mark this item for later review.

ANS:- (A) Mule Event

Solution link:- <https://docs.mulesoft.com/mule-runtime/4.1/about-mule-event>

Time Remaining: 43:53

36 Refer to the exhibits. A web client submits a request to the HTTP Listener and the HTTP Request throws an error.  
of  
60. What payload and status code are returned to the web client?

The screenshot shows a Mule flow diagram and its corresponding configuration interface. The flow consists of the following steps:

- A **Listener** (HTTP: GET /) receives a **Request**.
- The **Request** is processed by a **Set Payload** transformer with the value "Success - Begin".
- The flow continues to another **Request** (HTTP: GET /data).
- The second **Request** is processed by a **Set Payload** transformer with the value "Success - End".
- The flow then enters an **Error handling** section.
- In the error handling section, there is a **On Error Continue** block containing a **Set Payload** transformer with the value "Error".

On the right side, the configuration interface for the final **HTTP: GET /** endpoint is shown:

- General**: Response status is 200 OK.
- Responses**:
  - Body**: `##[payload]`
  - Headers**:

Name	Value
Content-Type	application/json
  - Status code**: 200
  - Reason phrase**: OK
- Error Response**:
  - Body**: `##[output text/plain --- error.description]`
  - Headers**:

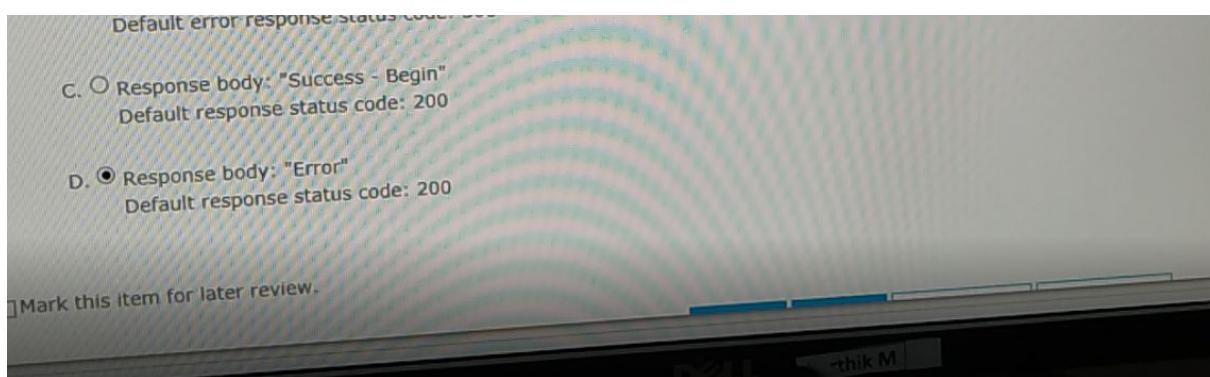
Name	Value
Content-Type	text/plain

```
<flow name="main">
    <http:listener doc:name="HTTP: GET "/" config-ref="HTTP_Listener_config" path="/" />
    <set-payload value="Success - Begin" doc:name="Success - Begin" />
    <http:request method="GET" doc:name="HTTP: GET /data" url="http://mu.learn.mulesoft.com/data"/>
    <set-payload value="Success - End mainFlow" doc:name="Success - End" />
    <error-handler>
        <on-error-continue enableNotifications="true" logException="true" doc:name="On Error Continue">
            <set-payload value="Error" doc:name="Error" />
        </on-error-continue>
    </error-handler>
</flow>
```

Refer to the exhibits. A web client submits a request to the HTTP Listener and the HTTP Request throws an error.

What payload and status code are returned to the web client?

- A.  Response body: "Success - End"  
Default response status code: 200
- B.  Error response body: error.description  
Default error response status code: 500
- C.  Response body: "Success - Begin"  
Default response status code: 200
- D.  Response body: "Error"  
Default response status code: 200



**ANS:- (D) Response Body: "Error"**

**Default response status code: 200**

MCD - Level 1 (Mule 4)

Time Remaining: 43:11

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

of  
60. Basic Settings

Connector configuration: [HTTP\\_Listener\\_config](#)

General

Path:

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

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[< Back](#) [Next >](#) [Review All](#) [Submit Exam](#)

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ANS:- (A) {employeeID}

Proof link :- <https://dzone.com/articles/understanding-the-uri-param-and-query-param-with-r>

<https://forums.mulesoft.com/questions/70541/extract-uri-parameter-and-pass-it-into-another-htt.html>

Basically We can pass the URI Parameter as {employeeId}

Example:- <http://localhost:8081/orderReports/{employeeId}?abc=123>

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

of  
60.

```

<flow name="validatePayload">
    <http:listener doc:name="HTTP: GET /" config-ref="HTTP_Listener_config" path="/" />
    <set-payload value="Before" doc:name="Before"/>
    <validation:is-null doc:name="payload" value="#{payload}" message="Validation Error"/>
    <set-payload value="After" doc:name="After"/>
</flow>

```

A.  After  
B.  Validation Error  
C.  null  
D.  Before

Mark this item for later review.

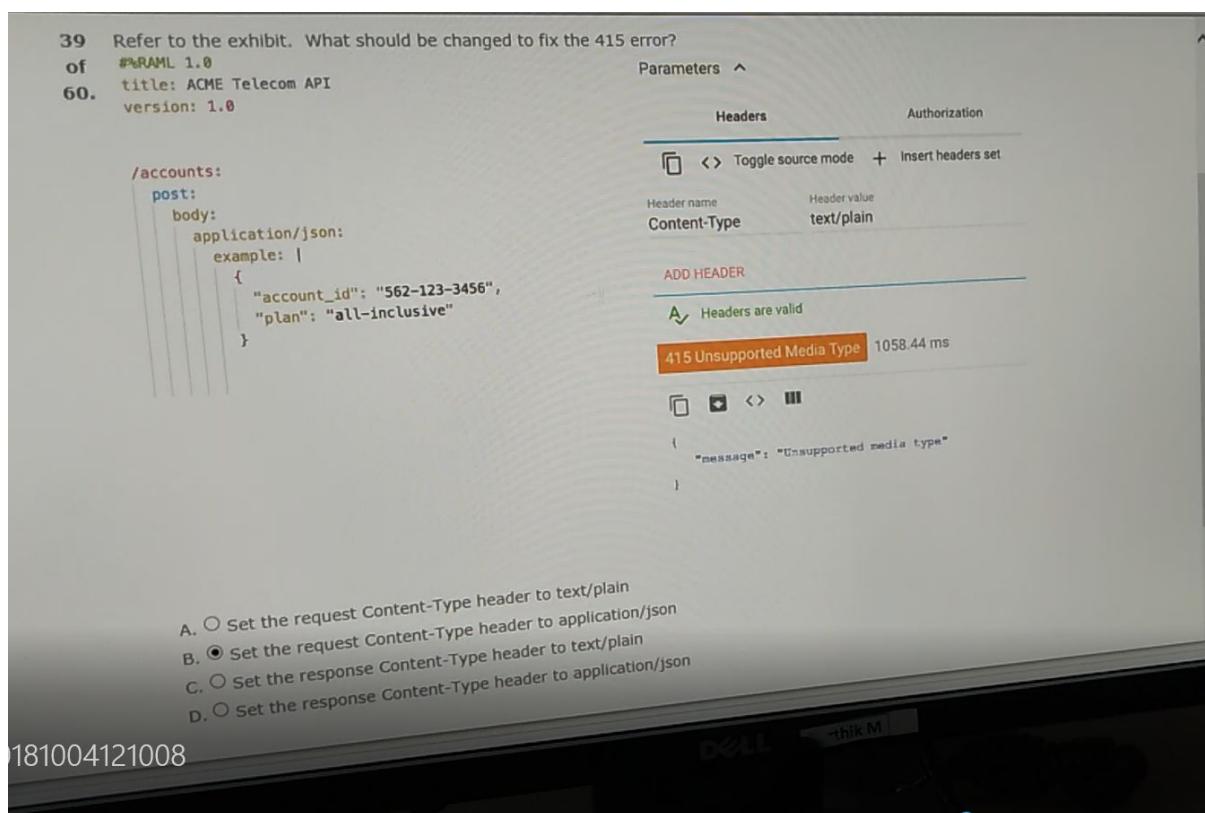
### ANS:- (B) Validation Error

39 Refer to the exhibit. What should be changed to fix the 415 error?  
of #**RAML 1.0**  
60. title: ACME Telecom API  
version: 1.0

/accounts:  
post:  
body:  
application/json:  
example: |  
{  
"account\_id": "562-123-3456",  
"plan": "all-inclusive"  
}

Parameters ^  
Headers Authorization  
Header name Header value  
Content-Type text/plain  
ADD HEADER  
Headers are valid  
415 Unsupported Media Type 1058.44 ms  
{  
"message": "Unsupported media type"  
}

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### 39) ANS:- (B) Set the request Content- Type header to application/json

If the Content-Type application/json will give in header then only 200(ok) is coming in the response.

40 of A Utility.dwl file is located in a Mule project at src/main/resources/modules. The Utility.dwl file defines a function  
60. named pascalize that reformats strings to pascal case.

What is the correct DataWeave to call the pascalize function in a Transform Message component?

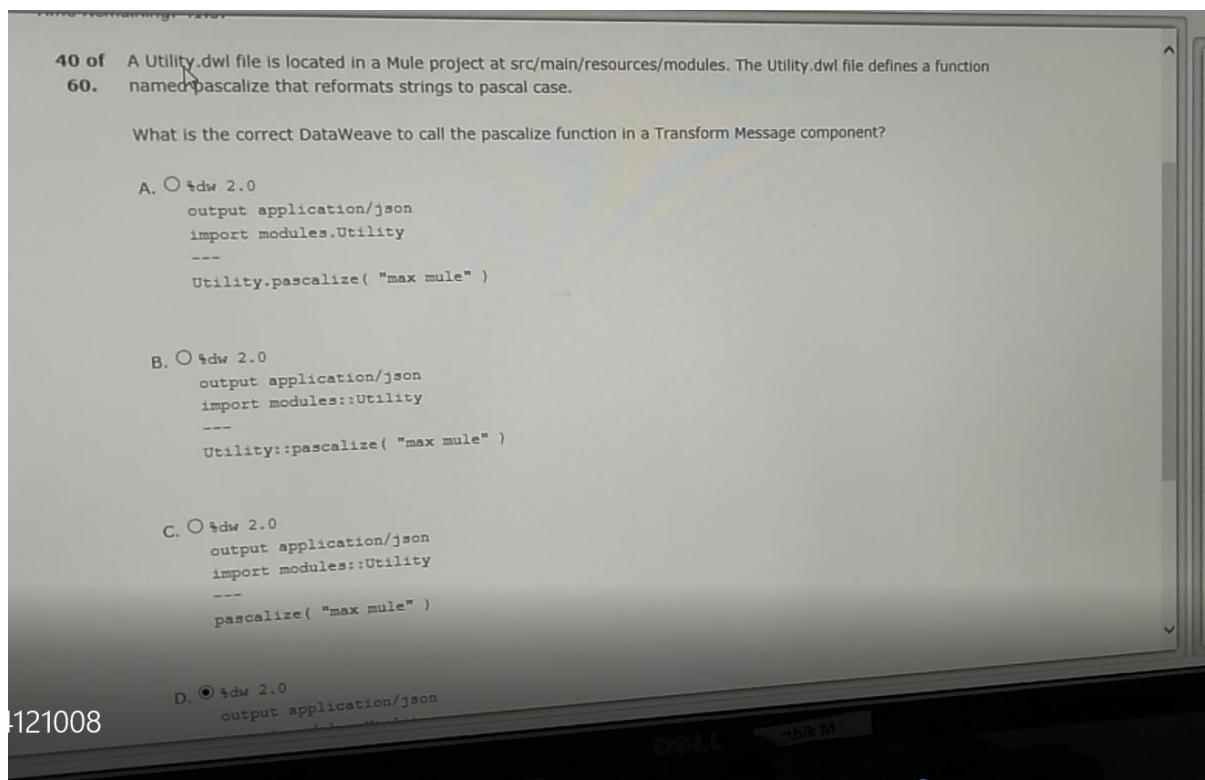
A.  %dw 2.0  
output application/json  
import modules.Utility  
---  
Utility.pascalize( "max mule" )

B.  %dw 2.0  
output application/json  
import modules::Utility  
---  
Utility::pascalize( "max mule" )

C.  %dw 2.0  
output application/json  
import modules::Utility  
---  
pascalize( "max mule" )

D.  %dw 2.0  
output application/json  
import modules.Utility  
---  
Utility.pascalize( "max mule" )

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C.  %dw 2.0  
    output application/json  
    import modules::Utility  
    ---  
    pascalize( "max mule" )

D.  %dw 2.0  
    output application/json  
    import modules.Utility  
    ---  
    pascalize( "max mule" )

1008

40) ANS:- (B) %dw 2.0

output application/json  
import modules ::Utility  
---

**Utility::pascalize (" max mule ")**

[40-Confusion Statement]

Time Remaining: 40:35

41 of 60. What path setting is required for an HTTP Listener endpoint to route all requests to an APIkit router?

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

Mark this item for later review.

A) B

42 of 60. What is the correct syntax to define and call a function in DataWeave?

- A.  fun addKV( object: Object, key: String, value: Any ) =  
object ++ { (key):value }  
---  
{ hello: "world" } addKV ( "hola","mundo" )
- B.  %function addKV( object: Object, key: String, value: Any ) =  
object ++ { (key):value }  
---  
{ hello: "world" } addKV ( "hola","mundo" )
- C.  %function addKV( object: Object, key: String, value: Any ) =  
object ++ { (key):value }  
---  
addKV ( {hello: "world"}, "hola","mundo" )
- D.  fun addKV( object: Object, key: String, value: Any ) =  
object ++ { (key):value }  
---  
addKV ( {hello: "world"}, "hola","mundo" )

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Mark this item for later review.

A) D

43 Refer to the exhibit. What can be added to the flow to persist data across different flow executions?

of

60.



- A.  Properties of the Mule runtime app object  
B.  Session variables  
C.  Key/value pairs in the ObjectStore  
D.  Properties of the Mule runtime flow object

Mark this item for later review.

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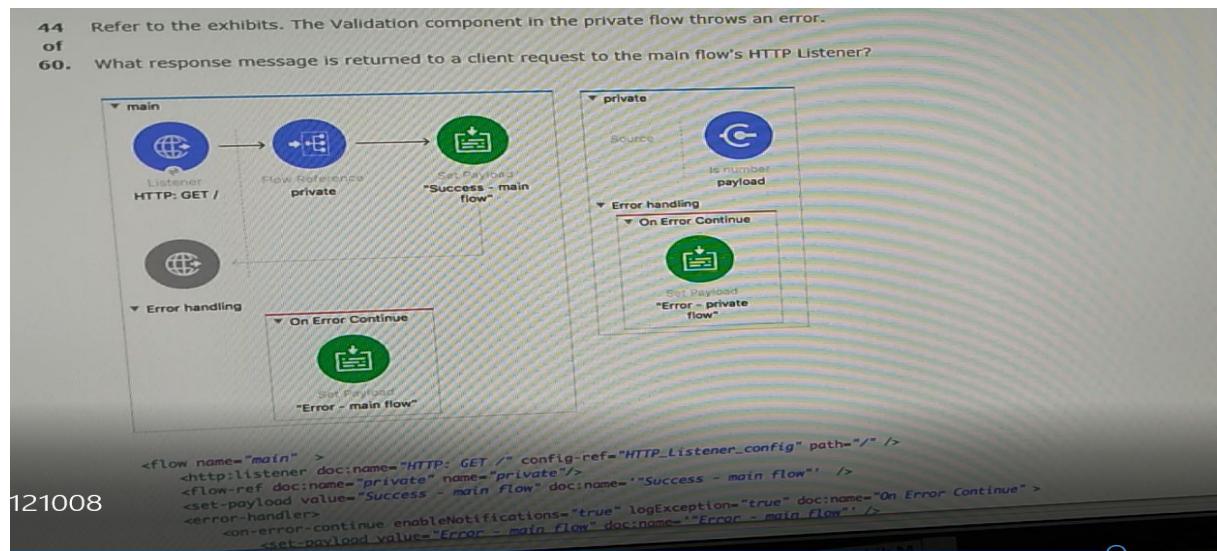
A) C

<https://dzone.com/articles/sharing-data-across-mule-applications>

Mule uses the Object Store in various filters, routers, and other message processors that need to store their state between messages. Most of the time, Mule manages the Object Store automatically and no user configuration is required. It's very easy to use the Object Store in Mule for storing data and sharing, which we will explore now in our demonstration.

In this article, we will simply demonstrate using the Object Store and sharing the data between different Mule applications.

Let's consider we have created two different applications, app1 and app2, which need to share the data between them. We will keep both the application be under a domain called MyDomain.



```

<flow name="main" >
    <http:listener doc:name="HTTP: GET /" config-ref="HTTP_Listener_config" path="/" />
    <flow-ref doc:name="private" name="private"/>
    <set-payload value="Success - main flow" doc:name="Success - main flow" />
    <error-handler>
        <on-error-continue enableNotifications="true" logException="true" doc:name="On Error Continue">
            <set-payload value="Error - main flow" doc:name="Error - main flow" />
        </on-error-continue>
    </error-handler>
</flow>

<flow name="private" >
    <validation:is-number numberType="INTEGER" doc:name="payload" value="#{payload}" message="Validation Error" />
    <error-handler >
        <on-error-continue enableNotifications="true" logException="true" doc:name="On Error Continue">
            <set-payload value="Error - private flow" doc:name="Error - private flow" />
        </on-error-continue>
    </error-handler>
</flow>

```

Refer to the exhibits. The Validation component in the private flow throws an error.

What response message is returned to a client request to the main flow's HTTP Listener?

008

- A.  Error - main flow
- B.  Error - private flow
- C.  Success - main flow
- D.  Validation Error

A) C

#### MCD - Level 1 (Mule 4)

Time Remaining: 38:22

- 45 of** 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?

- A.  The applications associated with the other APIs must be restarted
- B.  The applications associated with the other APIs must be recoded
- C.  Nothing needs to be changed in the other APIs or their associated applications
- D.  The other APIs must be updated to consume the updated product API

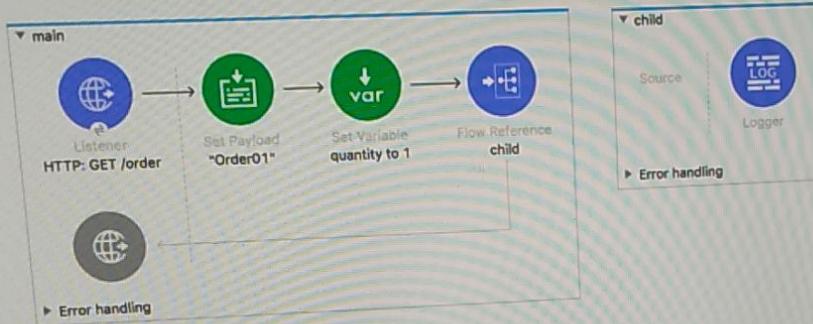
Mark this item for later review.

A) C

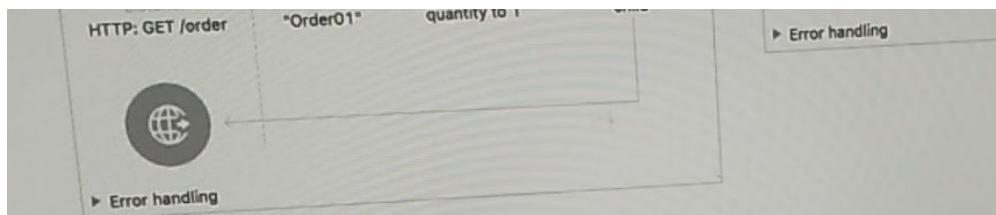
**46** Refer to the exhibit. The main flow contains a Flow Reference for the child flow.

of

- 60.** What values are accessible in the child flow after a web client submits a request to [http://localhost:8081/order?  
color=red](http://localhost:8081/order?color=red)?



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



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

A) D

Time Remaining: 37:41

- 47 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.yaml file?

60.

General Advanced Transactions

Required Libraries

MySQL JDBC Driver (mysql:mysql-connector-java:8.0.11) [Modify dependency](#)

Connection

Host: mudb.learn.mulesoft.com  
Port: 3306  
User:   
Password:  Show password  
Database: database

config.yaml

```
db:  
  host: "mudb.learn.mulesoft.com"  
  username: "mule"  
  password: "mule"
```

A.  \${db:username}  
B.  #[db.username]  
C.  #[db:username]  
D.  \${db.username}

Mark this item for later review.

A) D

- 48 Refer to the exhibits. What payload is returned from a request to <http://localhost:8081/>

60.

main

```
<flow name="main">  
  <http:listener doc:name="HTTP: GET /" config-ref="HTTP_Listener_config" path="/" />  
  <http:request method="POST" doc:name="HTTP: POST /data" url="http://localhost:8081/data"/>  
  <jms:publish-consume doc:name="JMS: num1" config-ref="JMS_Config" destination="num1"/>
```

Listener HTTP: GET / → Request HTTP: POST /data → Publish consume JMS: num1 → Publish JMS: num2 → Set Payload payload + 1

Error handling

http

```
<http:listener doc:name="HTTP: POST /data" config-ref="HTTP_Listener_config" path="/data" />  
  <set-payload value="1" doc:name="Set Payload 1" />
```

Listener HTTP: POST /data → Set Payload 1

Error handling

jms1

```
<jms:listener doc:name="JMS: num1" config-ref="JMS_Config" destination="num1" />  
  <set-payload value="#{payload + 1}" doc:name="Set Payload payload + 1" />
```

Listener JMS: num1 → Set Payload payload + 1

Error handling

jms2

```
<jms:listener doc:name="JMS: num2" config-ref="JMS_Config" destination="num2" />  
  <set-payload value="#{payload + 1}" doc:name="Set Payload payload + 1" />
```

Listener JMS: num2 → Set Payload payload + 1

Error handling

01008

```

<flow name="main">
    <http:listener doc:name="HTTP: GET /" config-ref="HTTP_Listener_config" path="/" />
    <http:request method="POST" doc:name="HTTP: POST /data" url="http://localhost:8081/data"/>
    <jms:publish-consume doc:name="JMS: num1" config-ref="JMS_Config" destination="num1"/>
    <jms:publish doc:name="JMS: num2" config-ref="JMS_Config" destination="num2"/>
    <set-payload value="#[payload + 1]" doc:name="payload + 1" />
</flow>

```

Refer to the exhibits. What payload is returned from a request to <http://localhost:8081/>?

A.  1  
B.  2  
C.  3  
D.  4

Mark this item for later review.

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A) C

49 Refer to the exhibits. All three of the conditions for the Choice router are true. What log messages are written?

of

60.

```

<flow name="routeEvents" >
    <http:listener doc:name="HTTP: GET /" config-ref="HTTP_Listener_config" path="/" />
    <choice doc:name="Choice" >
        <when expression="true" >
            <logger level="INFO" doc:name="Route1" message="Route1"/>
        </when>
        <when expression="true" >
            <logger level="INFO" doc:name="Route2" message="Route2"/>
        </when>
        <otherwise >
            <logger level="INFO" doc:name="Default" message="Default"/>
        </otherwise>
    </choice>
</flow>

```

A.  Route1  
B.  Route2  
C.  Route1, Route2  
D.  Route1, Route2, Default

Mark this item for later review.

A) A

Time Remaining: 36:33

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

of

60.

The screenshot shows a DataWeave editor interface. On the left, there is an "Input Payload" tab containing a JSON array named "list\_json\_1.json". The array contains two objects representing orders. The first order has an ID of 592, is international, and includes items: "T-shirt Navy" (size L, quantity 1, price 20). The second order has an ID of 972, is domestic, and includes items: "Cargo Shorts" (size XL, quantity 2, price 30). On the right, there is an "Output Payload" tab showing the transformed XML. The XML is structured as follows:

```
<?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>
```

A.  order:  
payload map ( (value,index) ->  
 item: {  
 itemName: value.item,  
 total: value.price \* value.quantity  
 }  
)

B.  order:  
{  
 payload map ( (value,index) ->  
 item: {  
 itemName: value.item,  
 total: value.price \* value.quantity  
 }  
 )  
}

C.  payload map ( (value, index) ->  
 order: {  
 item: {

8

C.  payload map ( value, index ) ->  
    order: {  
        item: {  
            itemName: value.item,  
            total: value.price \* value.quantity  
        }  
    }  
}  
  
D.  {  
    payload map ( value, index ) ->  
        order: {  
            item: {  
                itemName: value.item,  
                total: value.price \* value.quantity  
            }  
        }  
    }  
})

Mark this item for later review.

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A ) B

Time Remaining: 35:44

### MCD - Level 1 (Mule 4)

- 51 of 60 An HTTP Request operation sends an HTTP request with a non-empty JSON object payload to an external HTTP endpoint. The response from the external HTTP endpoint returns an XML body. The result is stored in a target named theResult.

What is the payload at the event processor after the HTTP Request?

- A.  A non-empty Java object
- B.  null
- C.  The XML response body
- D.  The original JSON request body

Mark this item for later review.

008

A) D

MCD - Level 1 (Mule 4)

Time Remaining: 34:50

52 of 60. An API specification is designed using RAML. What is the next step to create a REST Connector from this API specification?

A.  Publish the API specification to Anypoint Exchange  
B.  Download the API specification and build the interface using APIkit  
C.  Add the specification to a Mule project's src/main/resources/api folder  
D.  Implement the API specification using flow designer in Design Center

Mark this item for later review.

[< Back](#) [Next >](#) [Review All](#) [Submit Exam](#)

A) A

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

60.

order.xml

Output Payload

1@%dw 2.0[

2 output application/json{

3 ---,

4 "index": 0,},

5 "orderId": "592",],

6 "itemName": "T-shirt Navy",},

7 "lineItemPrice": 20},

8 },},

9 "index": 1,],

10 "orderId": "972",},

11 "itemName": "Cargo Shorts",},

12 "lineItemPrice": 60},

13 }]

14 }

15 }

16 }

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008

```

A.  payload.order.*item map( (value,index) -> {
    index: index,
    orderId: value.orderId,
    itemName: value.item,
    lineItemPrice: (value.price as Number) * (value.quantity as Number)
})

B.  payload.order.*item map ( (value,index) -> {
    index: index,
    orderId: value.@orderId,
    itemName: value.item,
    lineItemPrice: (value.price as Number) * (value.quantity as Number)
})

C.  payload.order.*item map ( (value,index) -> {
    index: index,
    orderId: value.orderId,
    itemName: value.item,
    lineItemPrice: (value.price as :number) * (value.quantity as :number)
})

D.  payload.order.*item map ( (value,index) -> {
    index: index,
    orderId: value.@orderId,
    itemName: value.item,
    lineItemPrice: (value.price as :number) * (value.quantity as :number)
})

```

A ) B

**MCD - Level 1 (Mule 4)**

Time Remaining: 33:01

**54 of 60.** An On Table Row Database listener retrieves data from a table that contains record\_id, an increasing numerical column.

How should the listener be configured so it retrieves new rows at most one time?

A.  Set the watermark column to the record\_id column  
 B.  Set the ObjectStore to store the last retrieved record\_id value  
 C.  Set the target to store the last retrieved record\_id value  
 D.  Set the target to the record\_id column

Mark this item for later review.

A) B

<https://docs.mulesoft.com/mule-runtime/4.1/migration-patterns-watermark>

**MCD - Level 1 (Mule 4)**

Time Remaining: 32:52

**55 of** An API implementation has been deployed to CloudHub and now needs to be governed. IT will not allocate additional vCores for a new Mule application to act as an API proxy.

**60.** What is the next step to preserve the current vCore usage, but still allow the Mule application to be managed by API Manager?

A.  Modify the API implementation to use auto-discovery to register with API Manager  
B.  Register the same API implementation in Runtime Manager to connect to API Manager  
C.  Upload the Mule application's JAR file to the API Instance in API Manager  
D.  Deploy the same API implementation behind a VPC and configure the VPC to connect to API Manager

Mark this item for later review.

Back Next Review All Submit Exam

A) A

**MCD - Level 1 (Mule 4)**

Time Remaining: 31:25

**56 of** A Mule application contains a global error handler configured to catch any errors.

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

A.  The pom.xml file  
B.  A configuration properties file  
C.  Nowhere, the global error handler is automatically used  
D.  A global element

Mark this item for later review.

A) D

**MCD - Level 1 (Mule 4)**

Time Remaining: 31:08

**57 of** 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.  A flow attribute  
C.  The pom.xml file  
D.  The mule-artifact.json file

Mark this item for later review.

A ) A

## MCD - Level 1 (Mule 4)

Time Remaining: 30:44

- 58 of 60 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 required headers to the RAML specification and redeploy the new API proxy
- B.  Add new property placeholders and redeploy the API proxy
- C.  Add new environment variables and restart the API proxy
- D.  Restart the API proxy to clear the API policy cache

Mark this item for later review.

A ) D

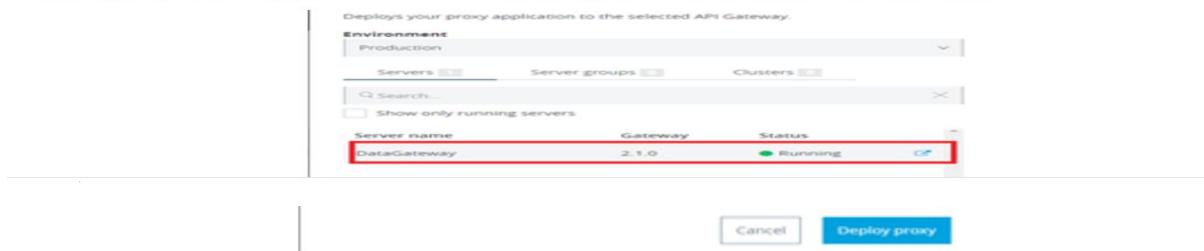
<https://dzone.com/articles/proxying-with-api-manager>

### Deploying Proxy Application From API Manager Interface On-Premises Server Directly

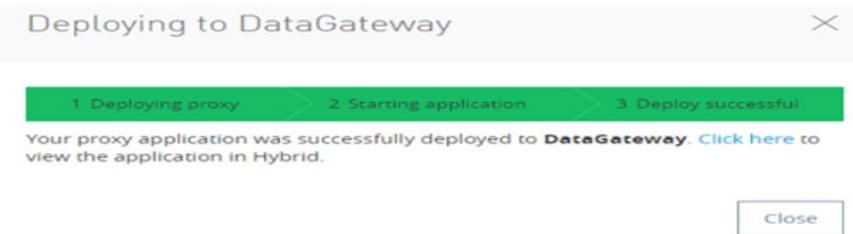
After applying the **Rate Limiting** policy, we will deploy the *proxy* application from API Manager interface directly our on-premises Data Gateway server by selecting **Deploy Proxy** option we can see below:



We need to select our on-premises Data Gateway proxy server which is just registered with the [API Manager](#) interface and then we need to click Deploy Proxy button as shown below:



The [API Manager](#) interface will directly deploy our *proxy* application to our on-premises Data Gateway server located in our system and will show the status as follows:



**MCD - Level 1 (Mule 4)**

Time Remaining: 30:02

- 59 of 60.** What is the correct syntax for a Logger component to output a message with the contents of a JSON Object payload?

- A.  The payload is: \${payload}
- B.  #["The payload is: " + payload]
- C.  #["The payload is: " ++ payload]
- D.  The payload is: #[payload]

Mark this item for later review.

121008

A) D

**MCD - Level 1 (Mule 4)**

Time Remaining: 29:54

- 60 of 60.** A flow needs to combine and return data from two different data sources. It contains a Database SELECT operation followed by an HTTP Request operation.

What is the method to capture both payloads so the payload from the second request does not overwrite that from the first?

- A.  Save the payload from the Database SELECT operation to a variable
- B.  Put the Database SELECT operation inside a Message Enricher scope
- C.  Put the Database SELECT operation inside a Cache scope
- D.  Nothing, previous payloads are combined into the next payload

Mark this item for later review.

1008

A) A