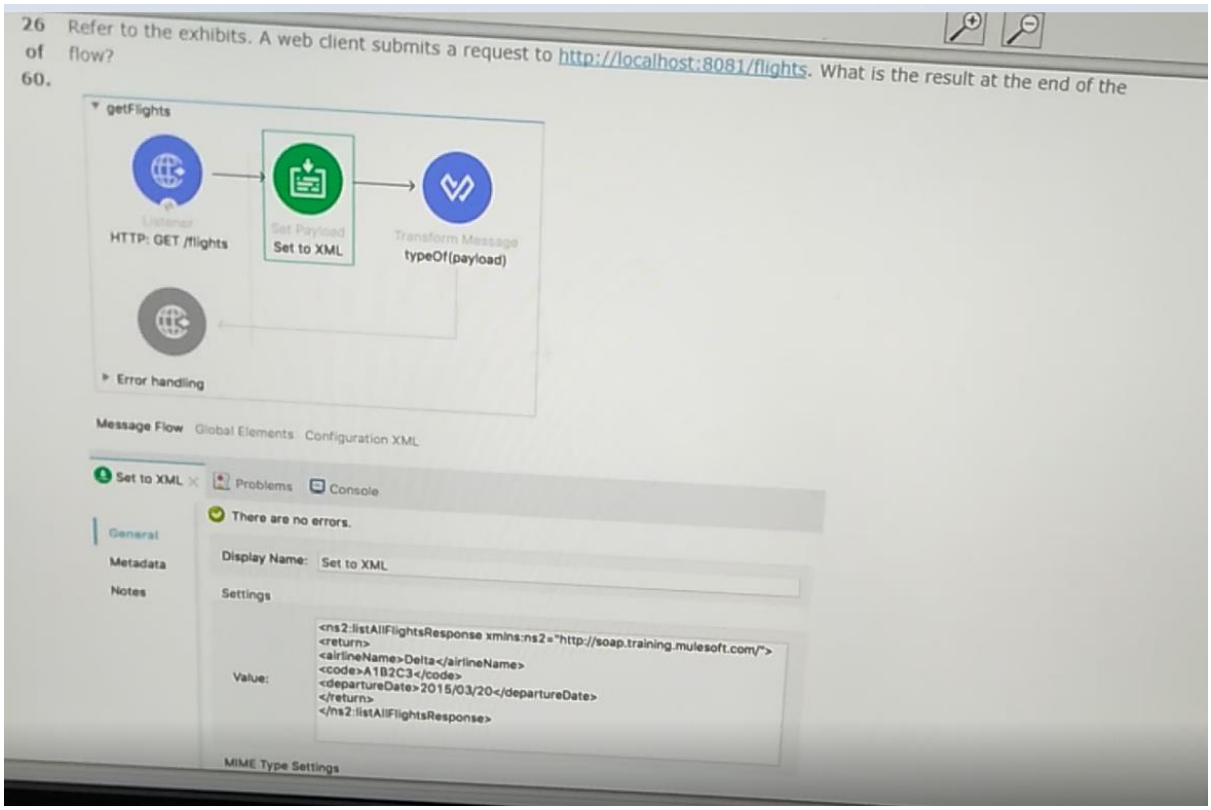
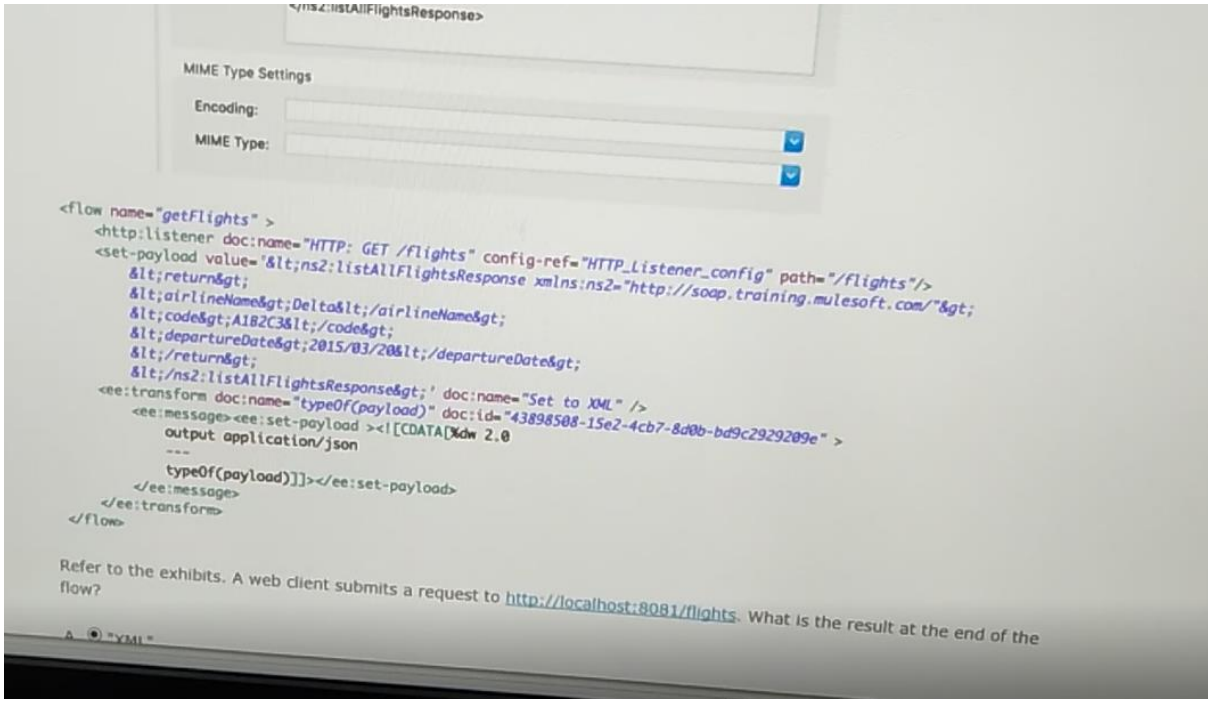
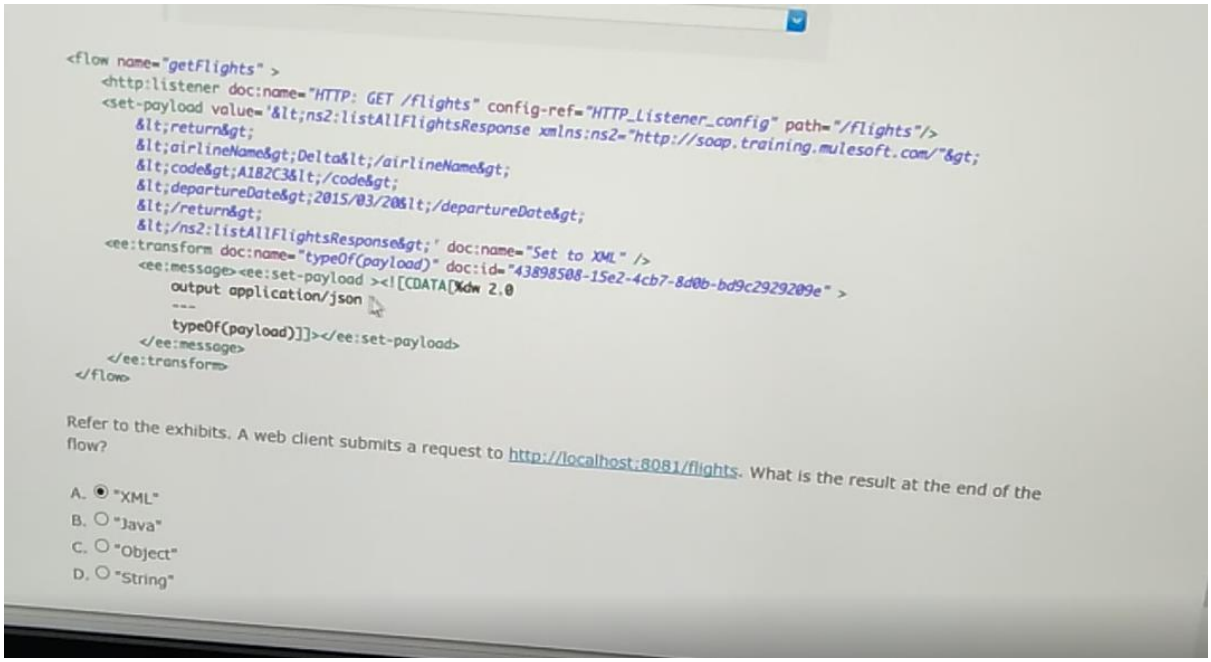
26 of 60. Refer to the exhibits. A web client submits a request to http://localhost:8081/flights. What is the result at the end of the flow?

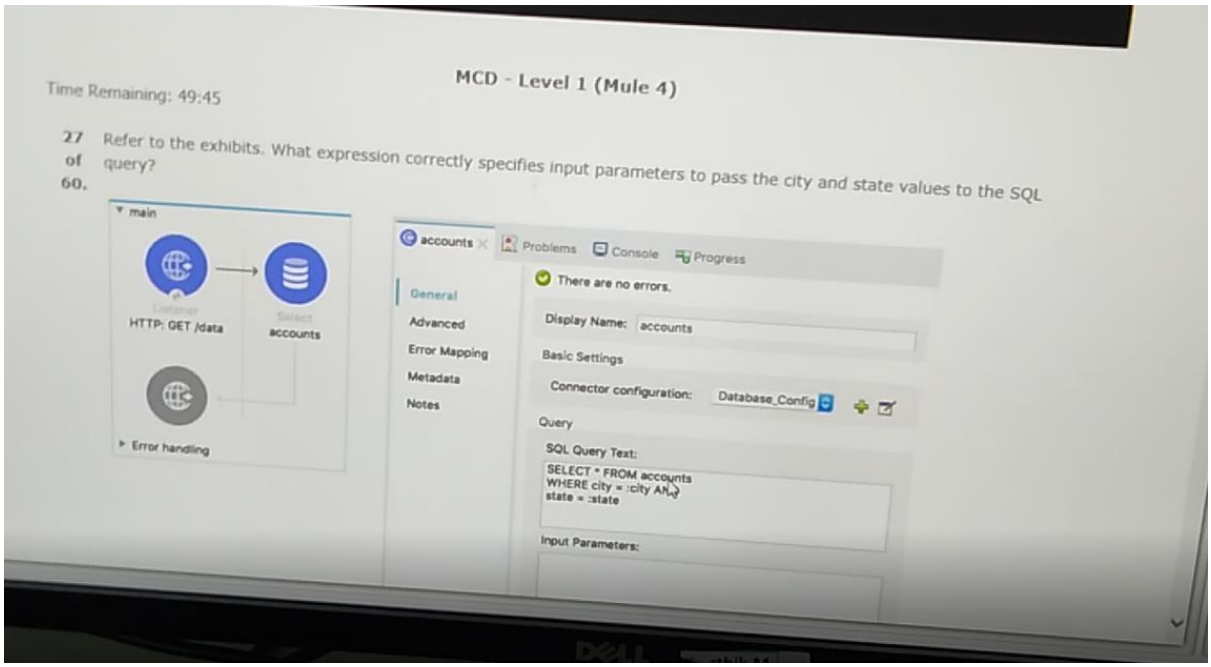


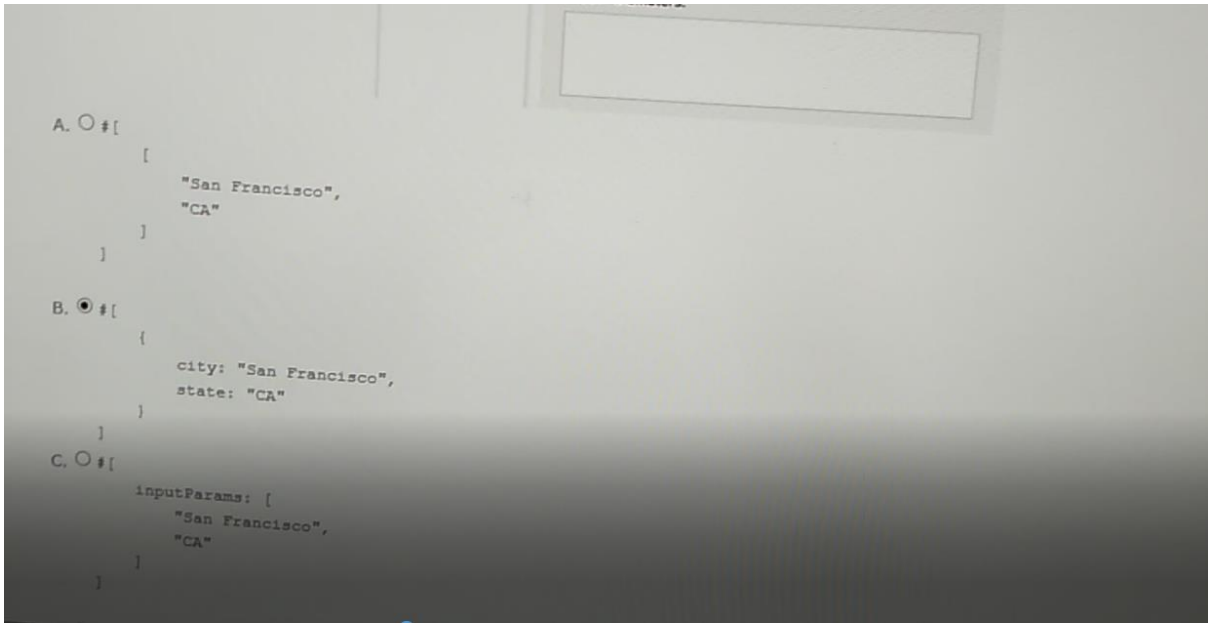


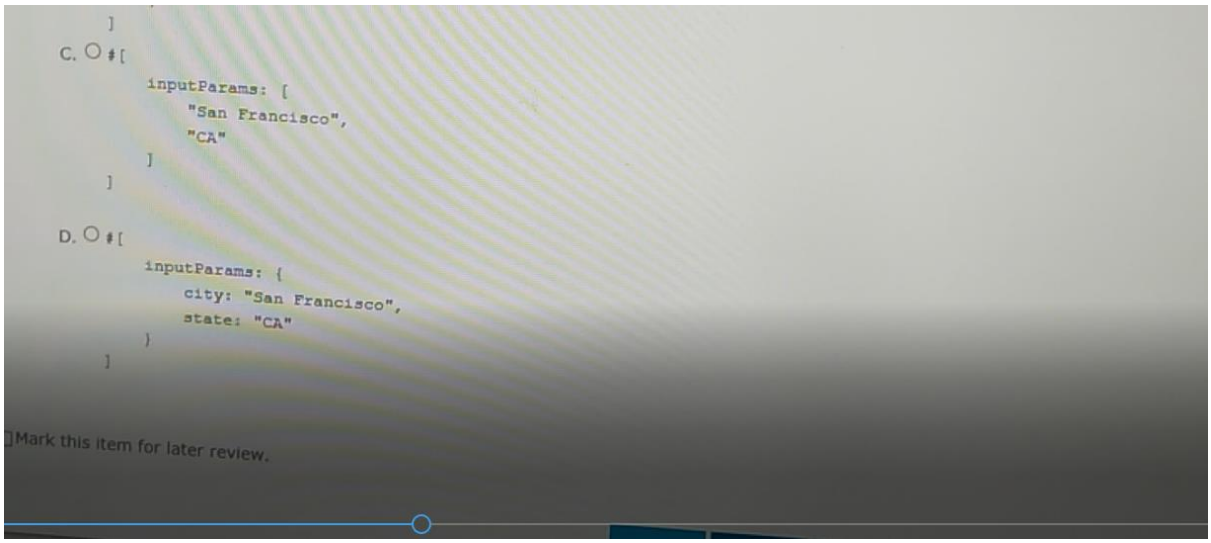


ANS:- <u>Response is coming as “String”</u>

(D) “String”







ANS:- (B) #[

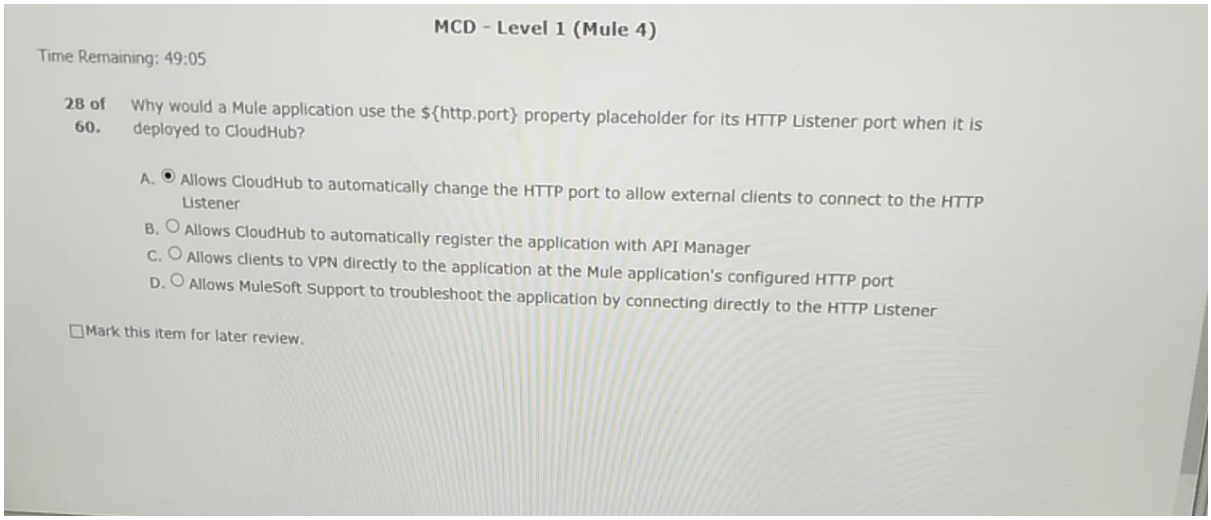
{

city: "San Fransisco",

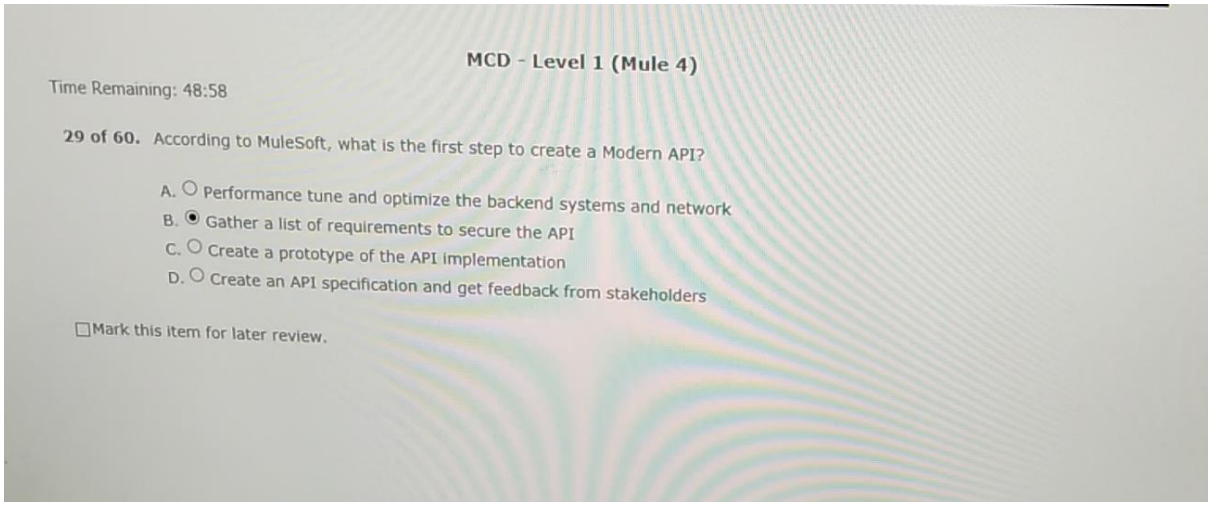
state: "CA"

}

]



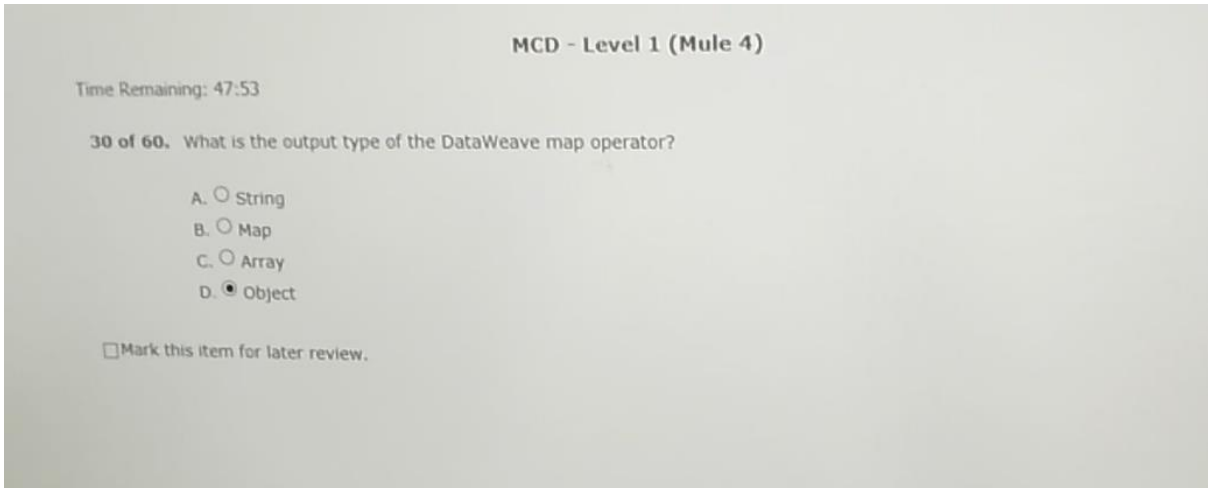
ANS:- (A)Allowed Cloudhub to automatically change the HTTP port to allowed external clients to connect to the HTTP Listener.



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.

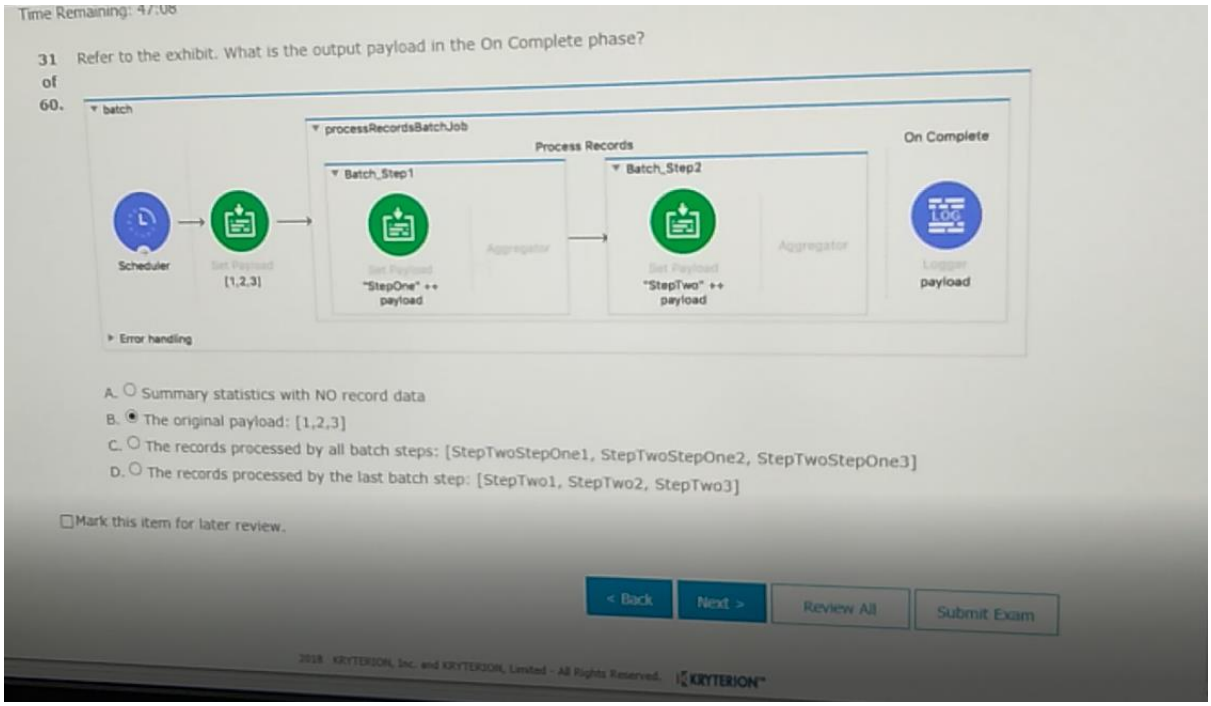
The modern API has its own software development lifecycle (SDLC) of designing, testing, building, managing, and versioning. Also, modern APIs are well documented for consumption and versioning.

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



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

(C) Array



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

32 of 60. 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?

```
#%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
                }
              ]
```

1008

10 30

]

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.

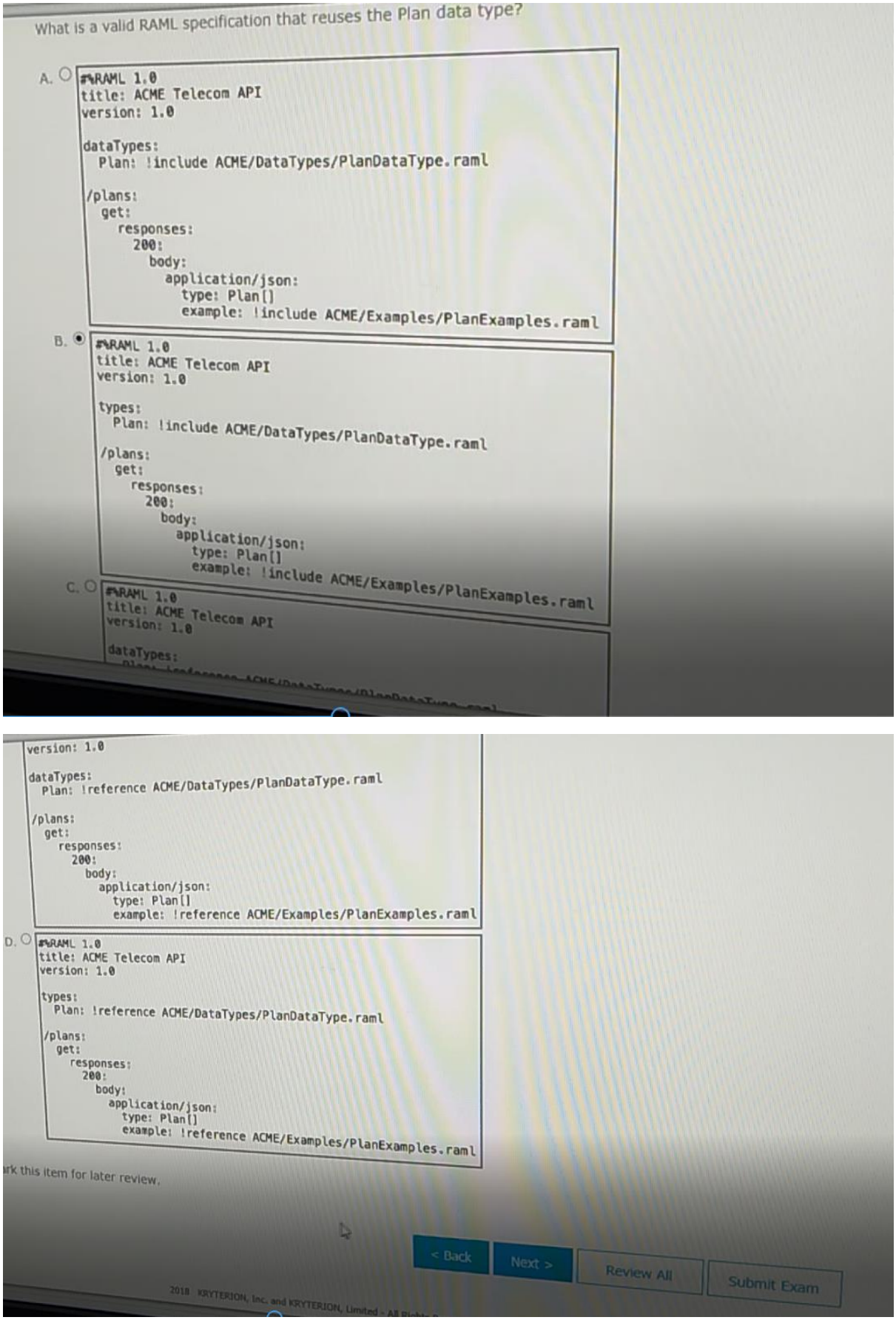
What is a valid RAML specification that reuses the Plan data type?

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:
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
D.
#%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
rk this item for later review.
< Back
Next >
Review All
Submit Exam
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A) **B**

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

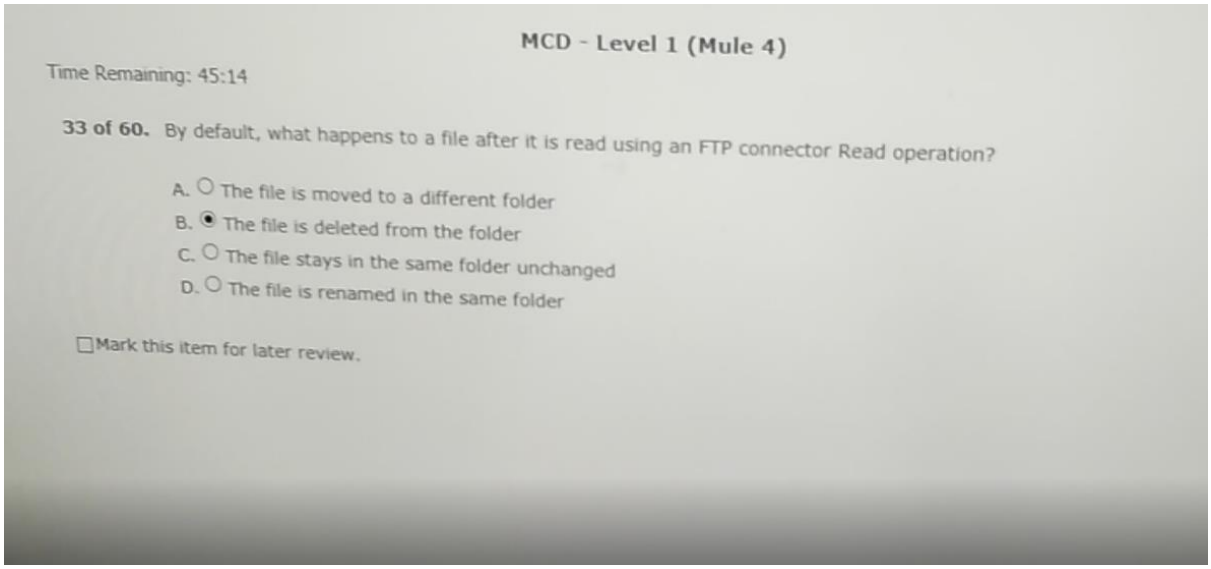
Includes in RAML

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.

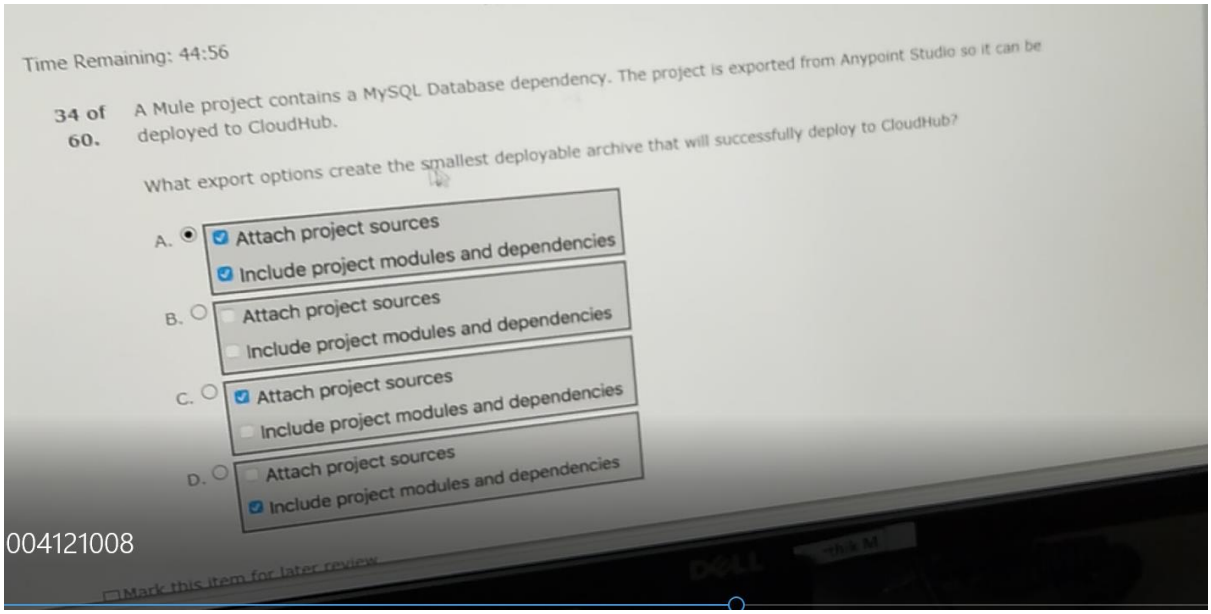
For example, we can put the data type for a customer object in the file types `/customer.raml` and the type for an Error object in types `/error.raml`. Our types section will look like this:

YAML

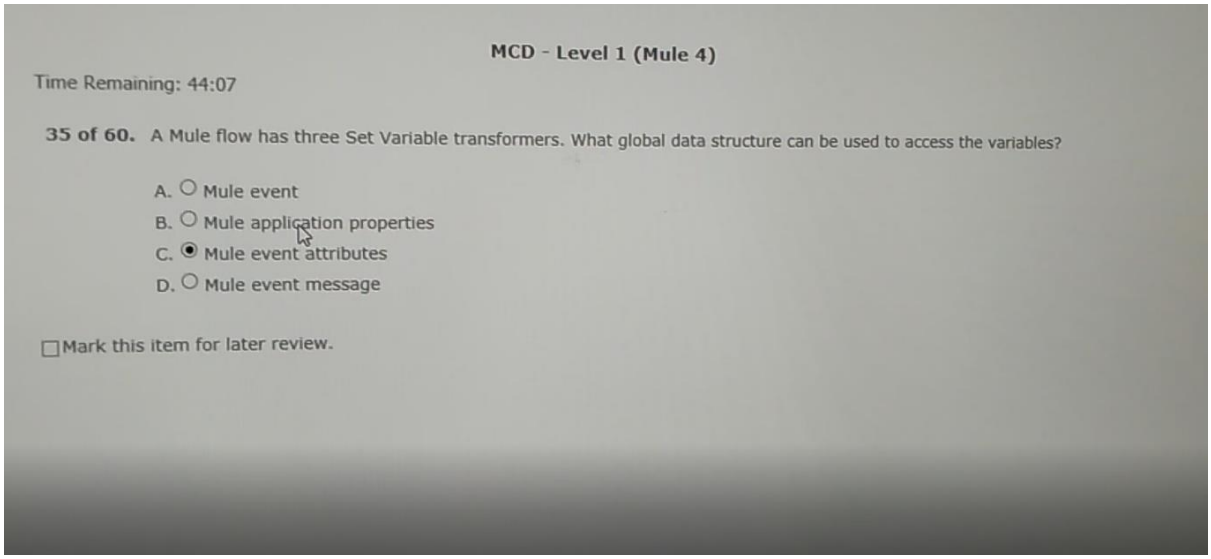
```yaml
types:
  Customer: !include types/Customer.raml
  Error: !include types/Error.raml
```



ANS:- (C)

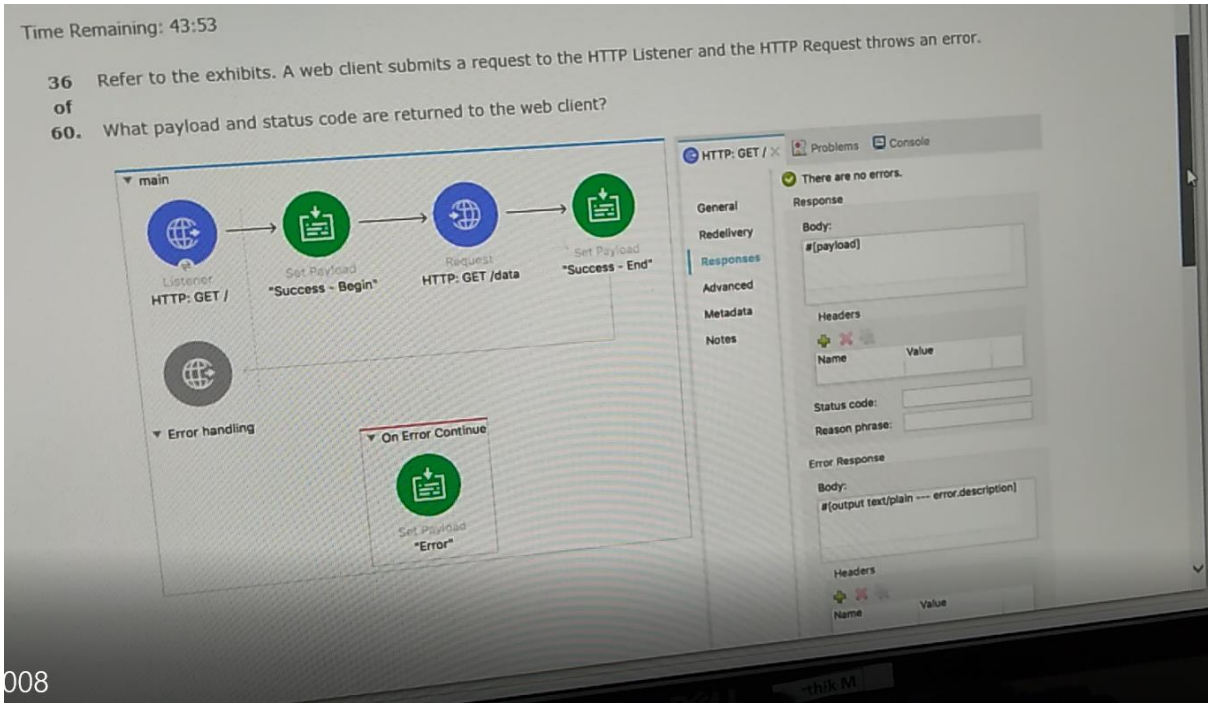


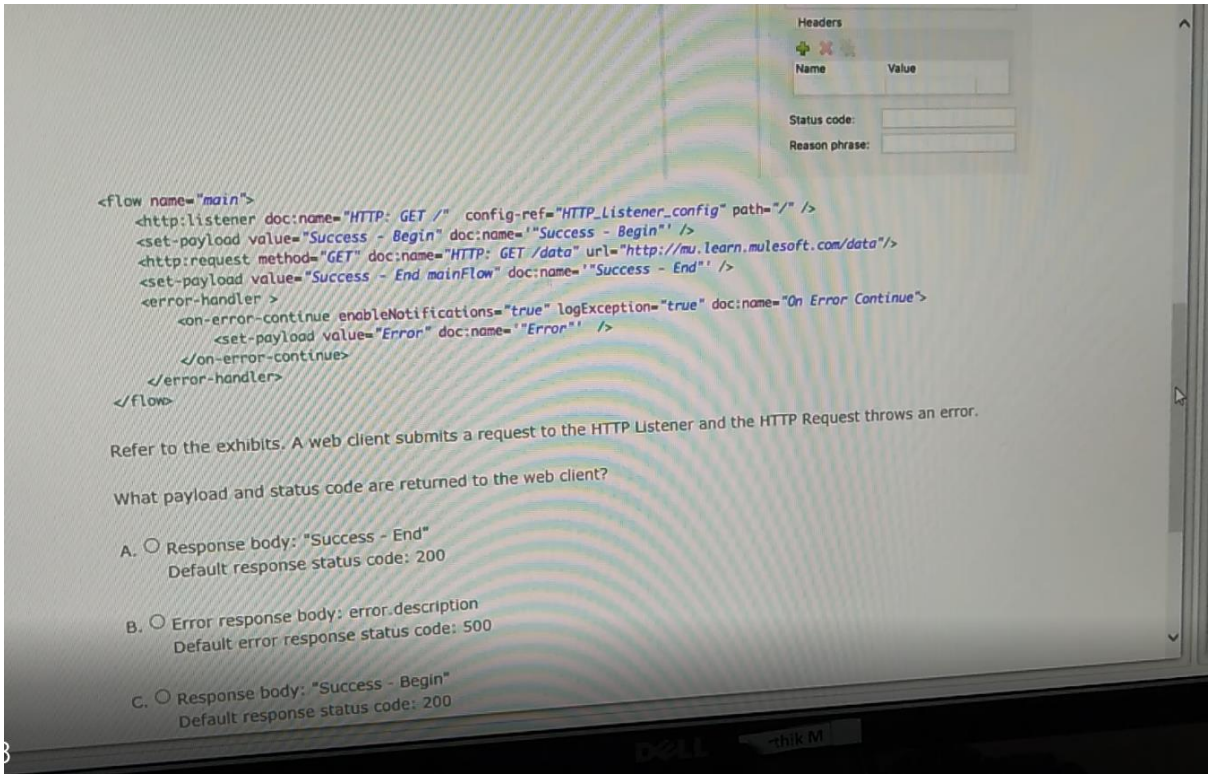
ANS:- (D)

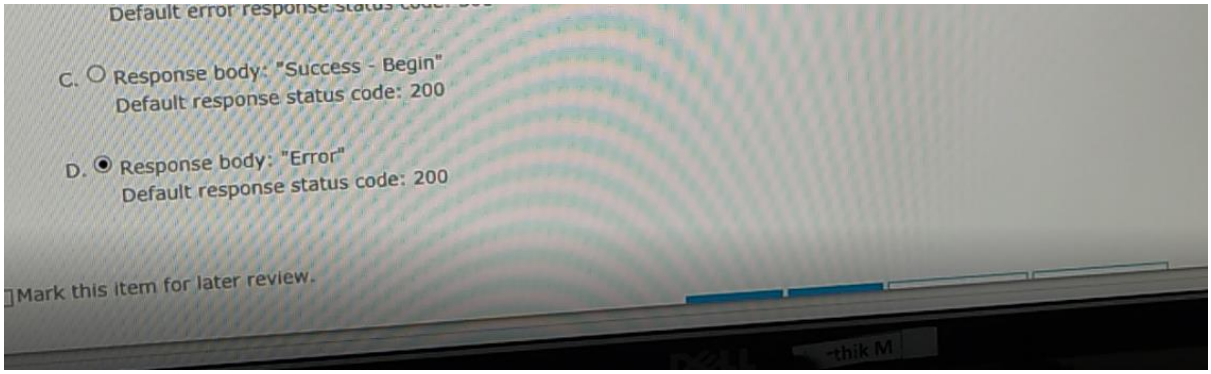


ANS:- (A) Mule Event

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

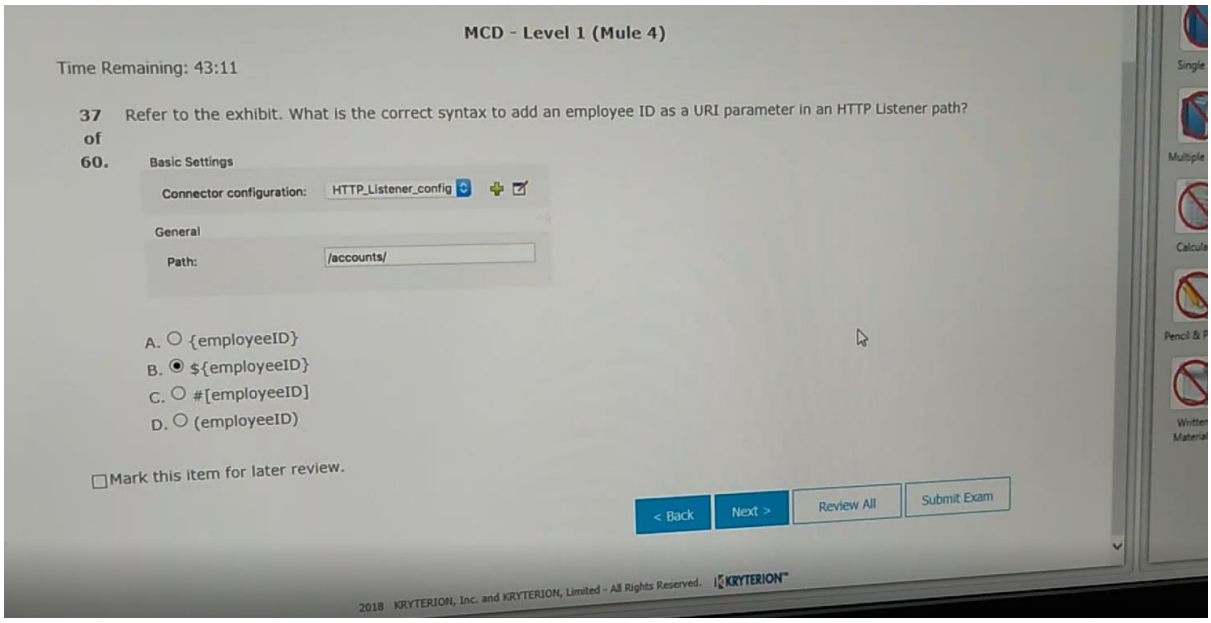

Time Remaining: 43:53
36 of 60. Refer to the exhibits. A web client submits a request to the HTTP Listener and the HTTP Request throws an error.
What payload and status code are returned to the web client?
main
Listener
HTTP: GET /
Set Payload
"Success - Begin"
Request
HTTP: GET /data
Set Payload
"Success - End"
Error handling
On Error Continue
Set Payload
"Error"
HTTP: GET /
Problems
Console
There are no errors.
General
Redelivery
Responses
Advanced
Metadata
Notes
Response
Body:
#[payload]
Headers
Name
Value
Status code:
Reason phrase:
Error Response
Body:
#[output text/plain --- error.description]
Headers
Name
Value


Headers
Name
Value
Status code:
Reason phrase:
<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



ANS:- (D) Response Body: “Error”

Default response status code: 200



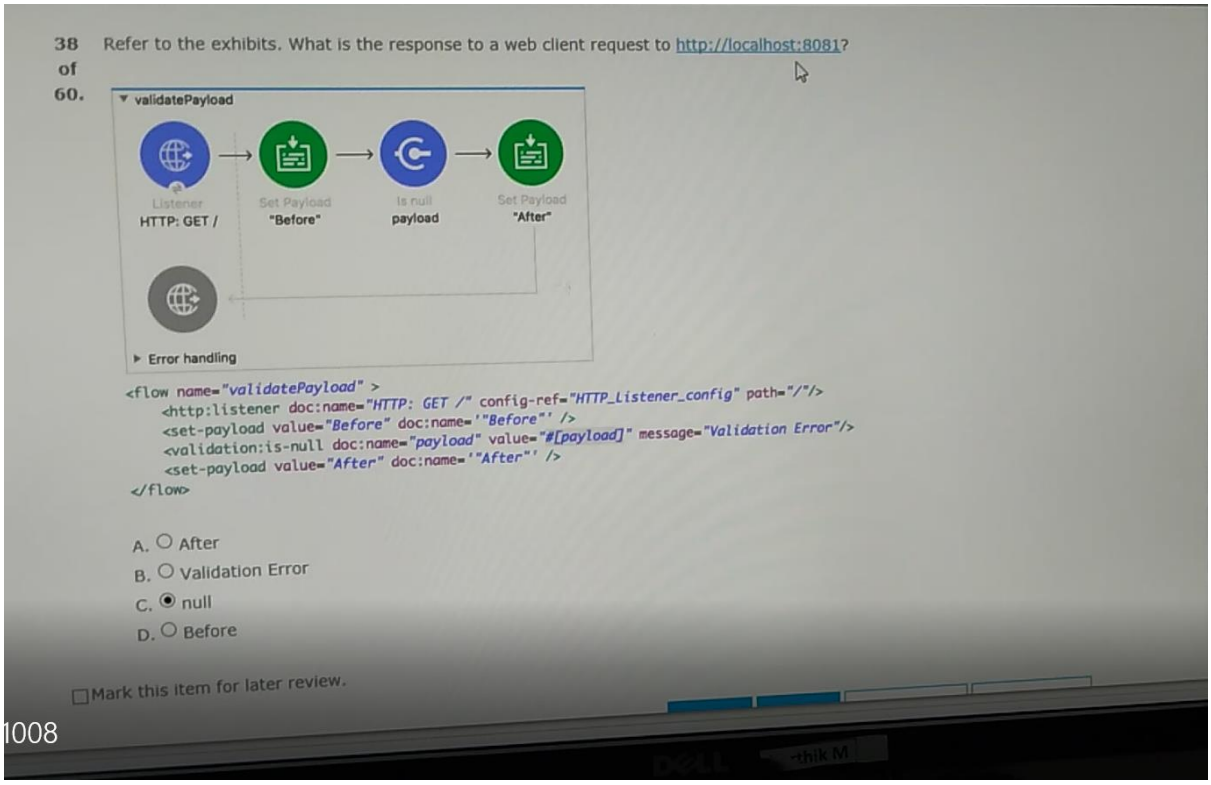
ANS:- (A) {employeeID}

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

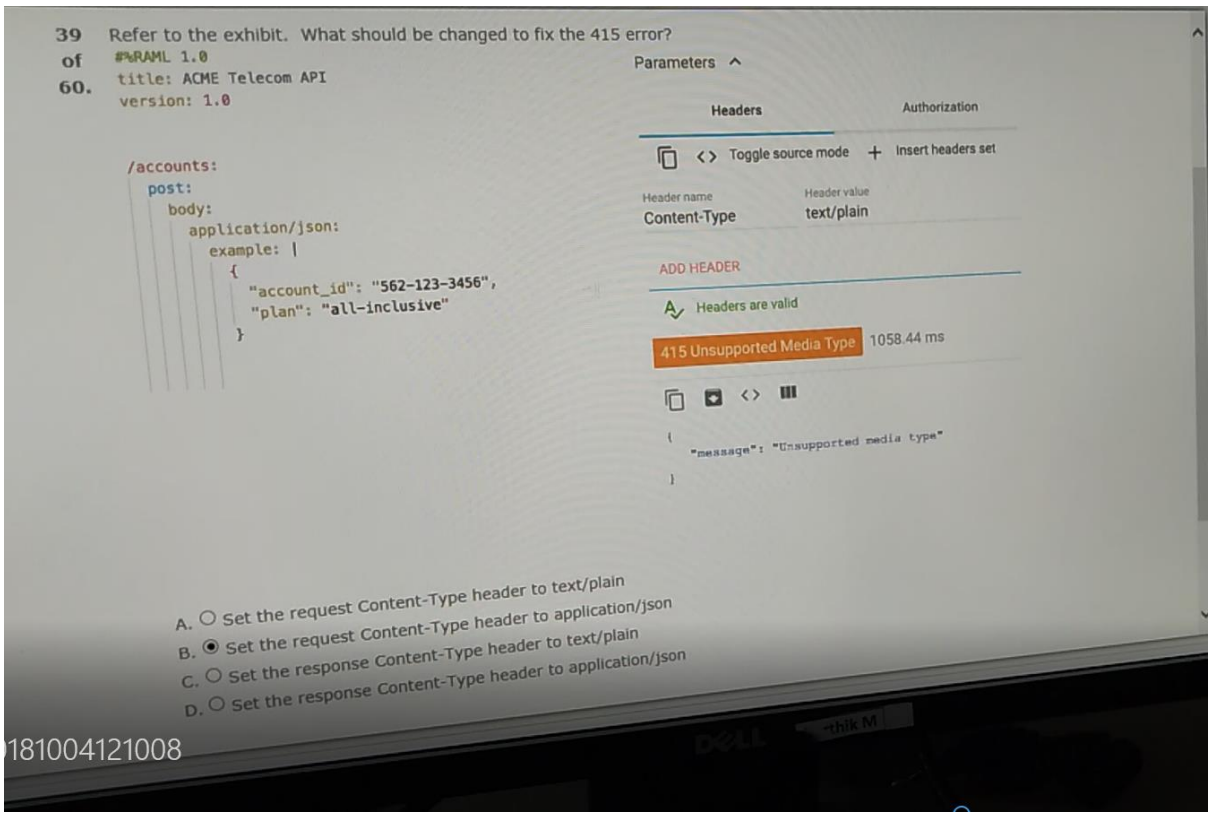
https://forums.mulesoft.com/questions/70541/extract-uri-parameter-and-pass-it-into-another-htt.html

Basically We can pass the URI Parameter as {employeeId}

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

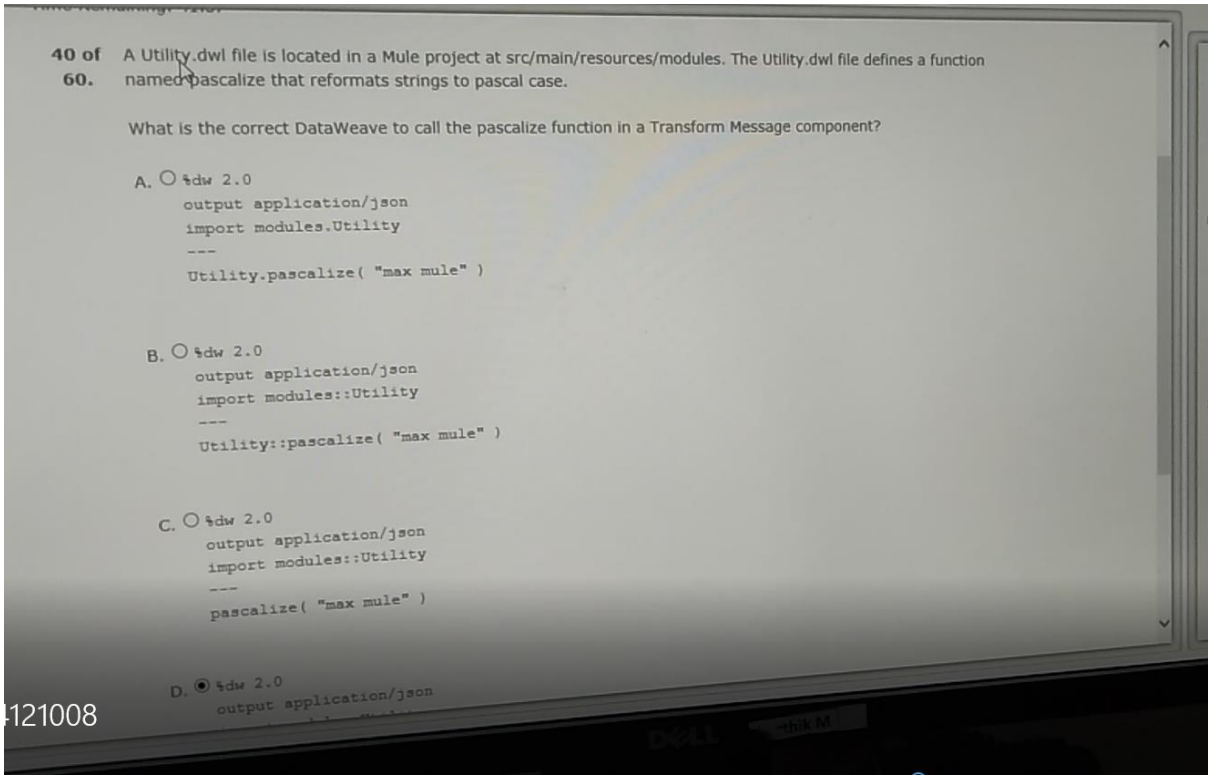


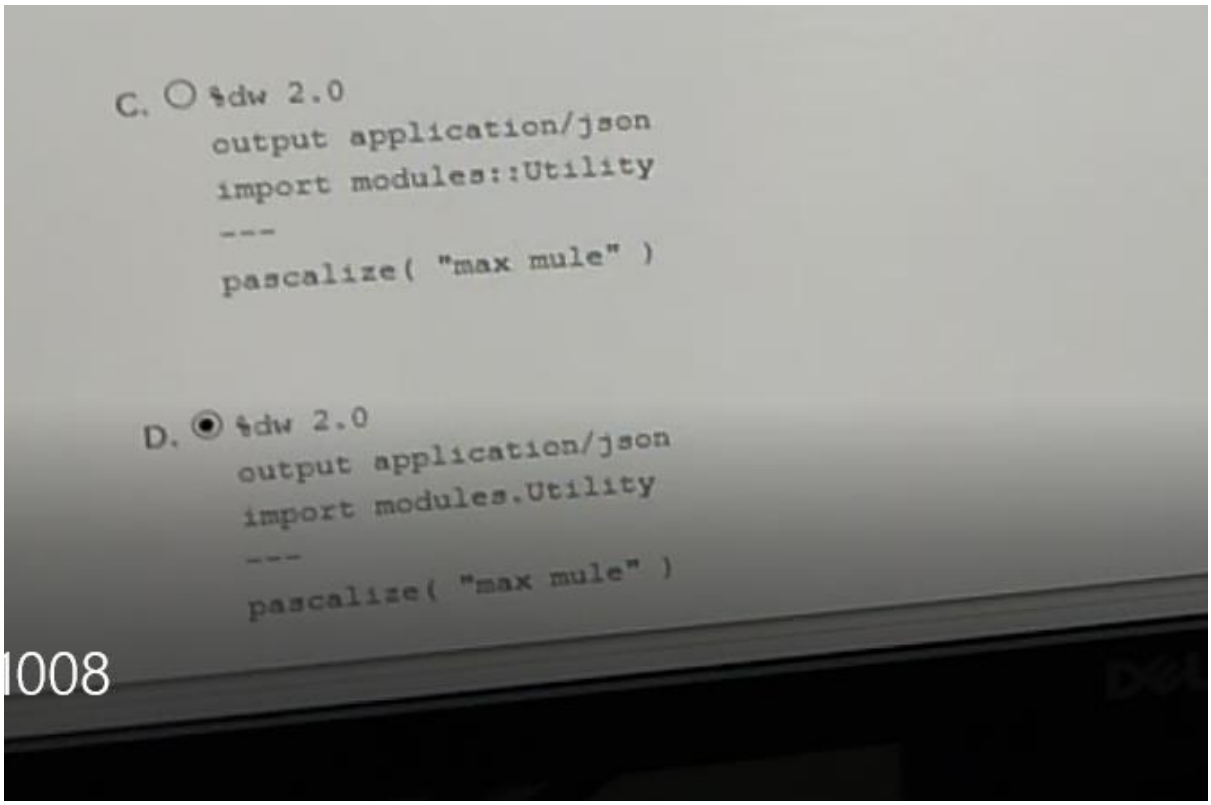
ANS:- (B) Validation Error



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.

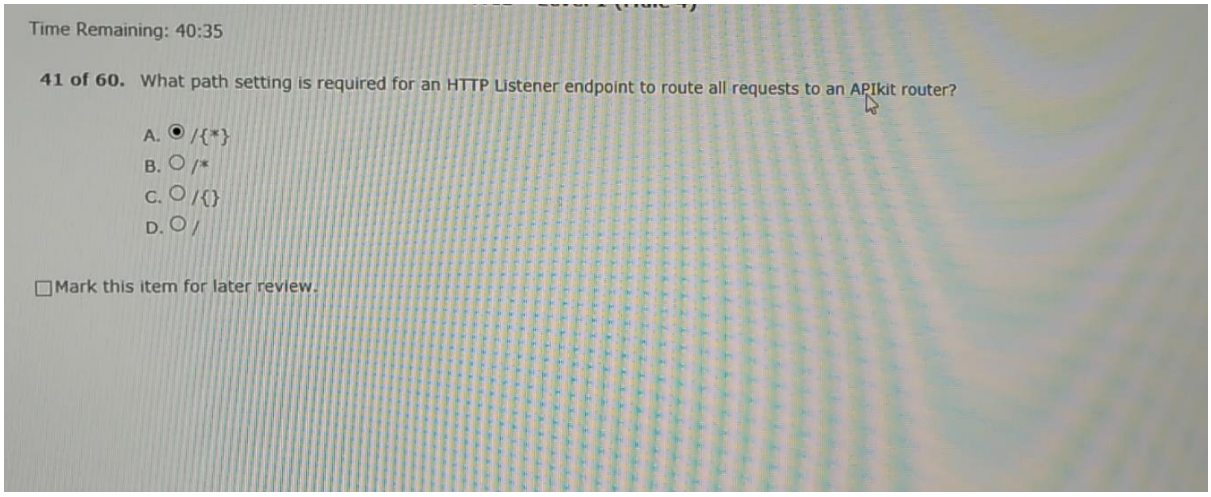




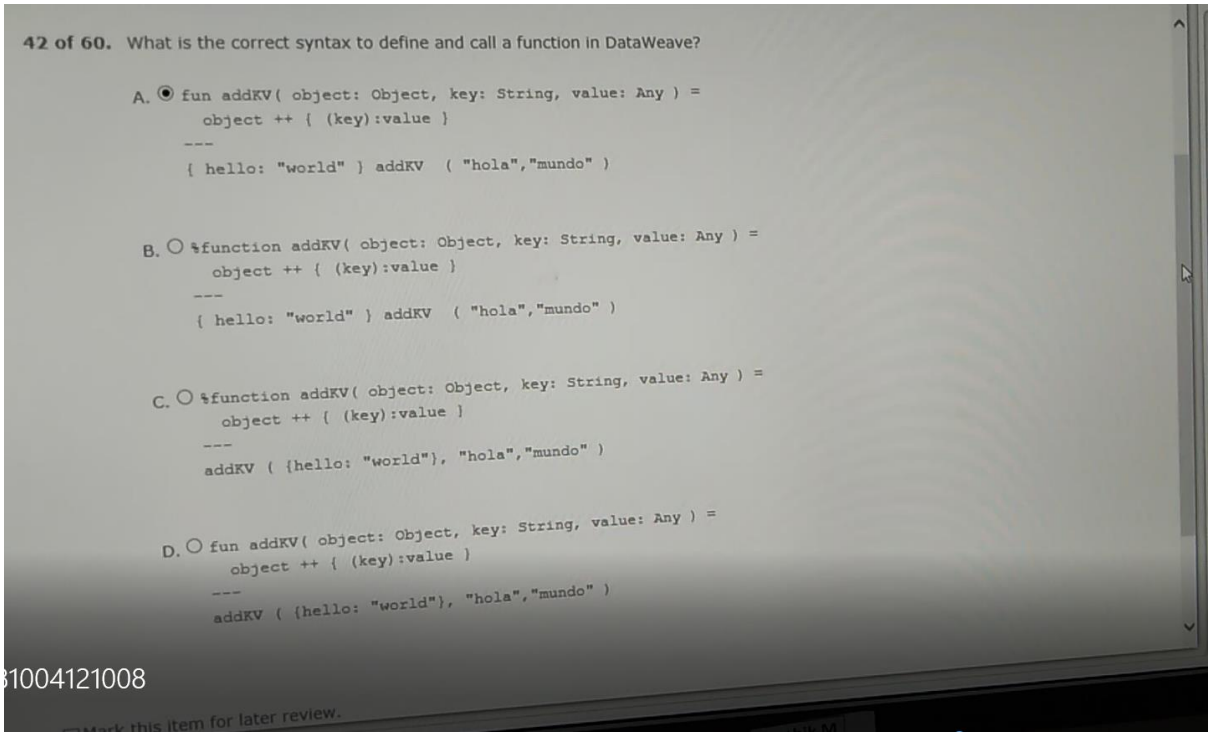
40) ANS:- (B)

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

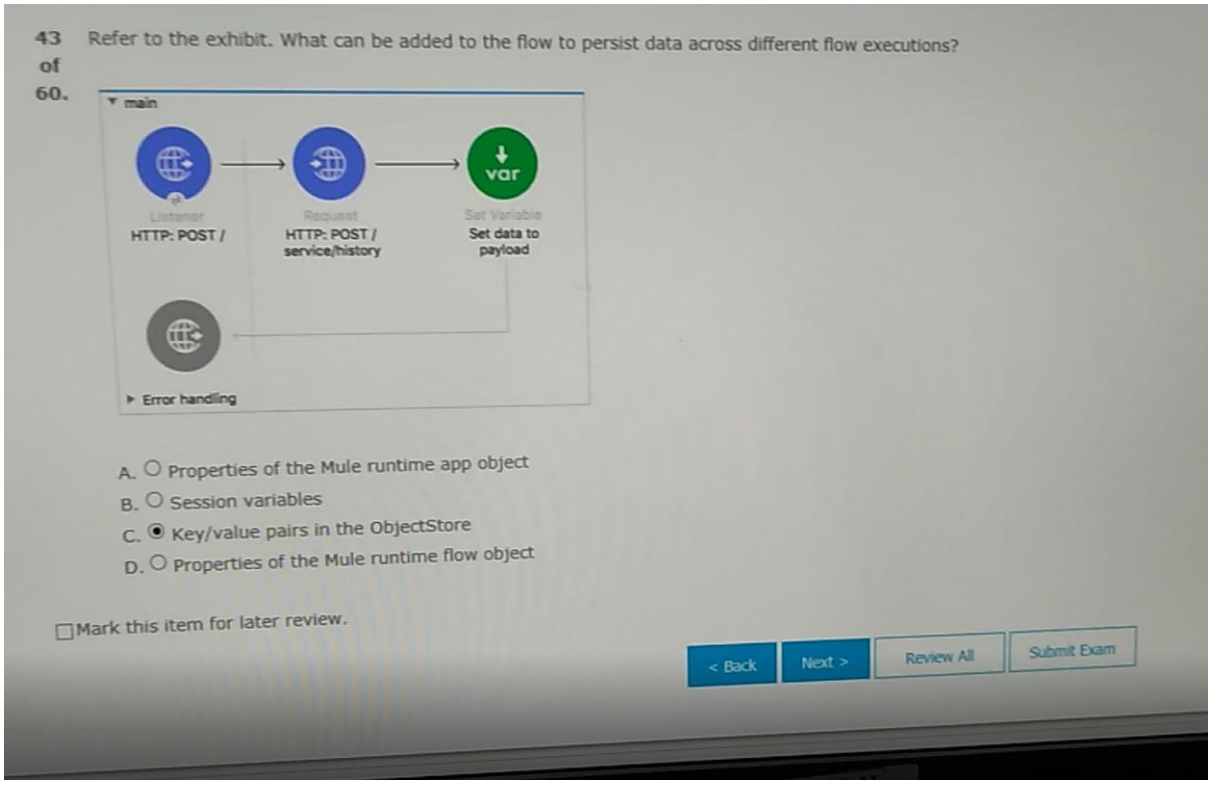
[40-Confusion Statement]



A) B



A) D



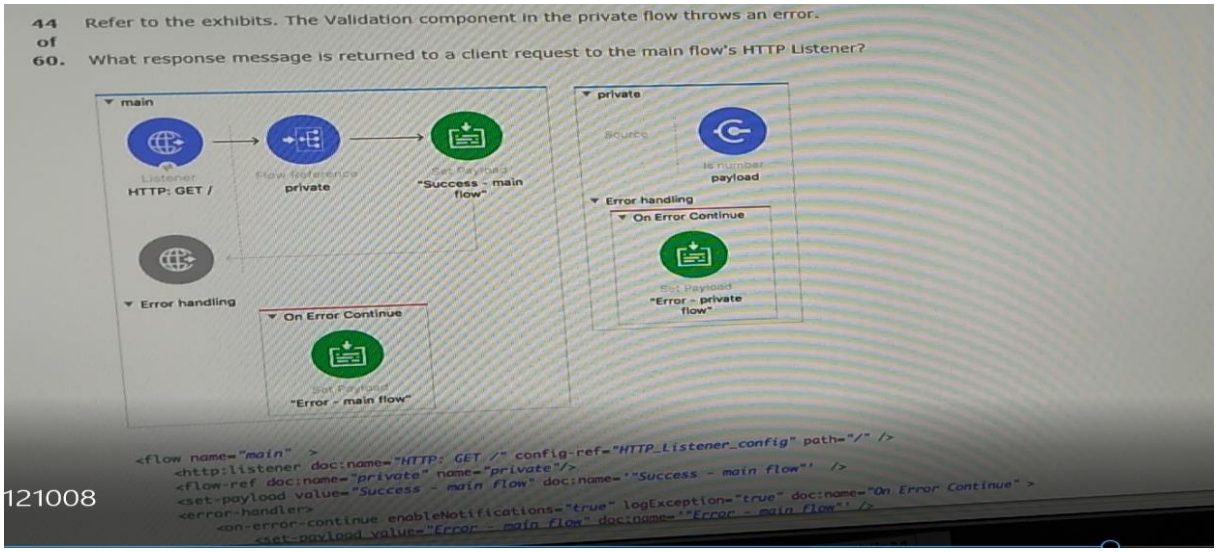
A) C

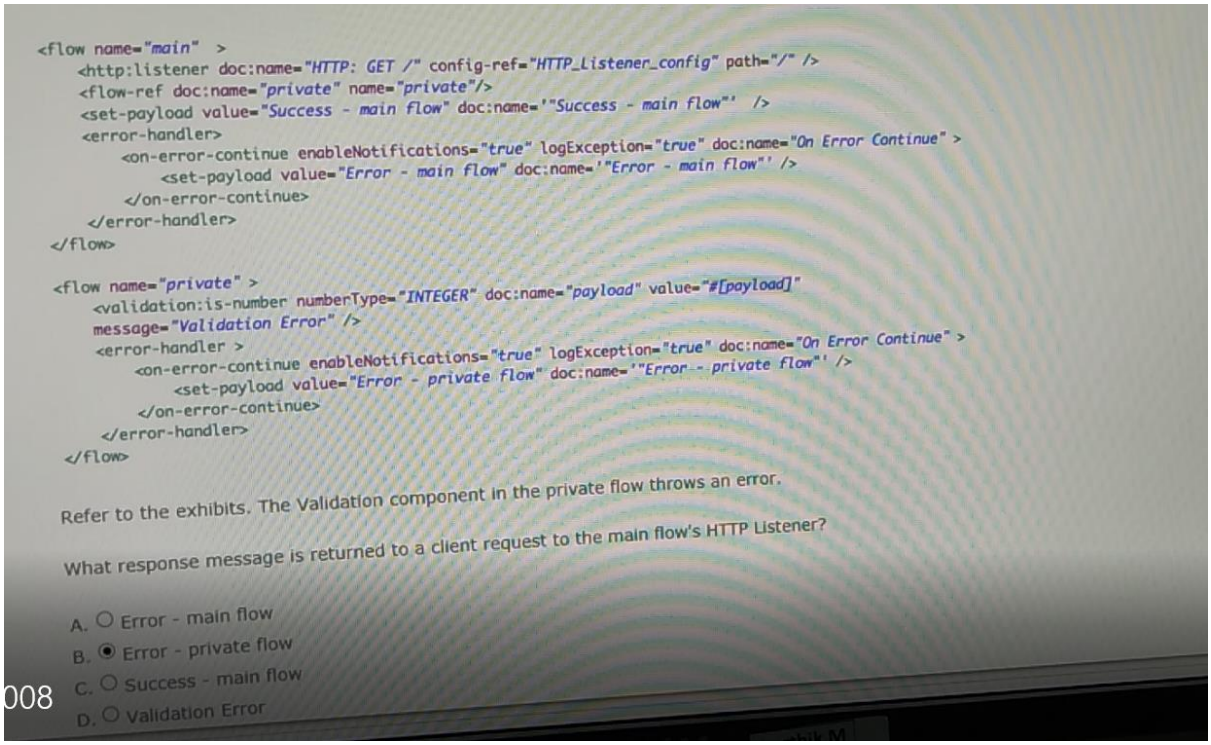
https://dzone.com/articles/sharing-data-across-mule-applications

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.


44 of 60.
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?
main
Listener
HTTP: GET /
Flow reference
private
Set Payload
"Success - main flow"
Error handling
On Error Continue
Set Payload
"Error - main flow"
private
Source
Is number
payload
Error handling
On Error Continue
Set Payload
"Error - private flow"
<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" >
121008


<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?
A. Error - main flow
B. Error - private flow
C. Success - main flow
D. Validation Error
008

A) C

MCD - Level 1 (Mule 4)

Time Remaining: 38:22

45 of 60. 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?

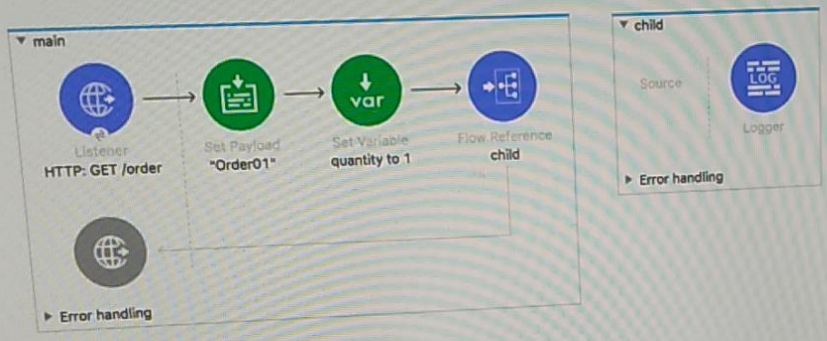
A. ○ The applications associated with the other APIs must be restarted
B. ○ The applications associated with the other APIs must be recoded
C. ◉ Nothing needs to be changed in the other APIs or their associated applications
D. ○ The other APIs must be updated to consume the updated product API

☐ Mark this item for later review.

A) C

46 of 60. Refer to the exhibit. The main flow contains a Flow Reference for the child flow.

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

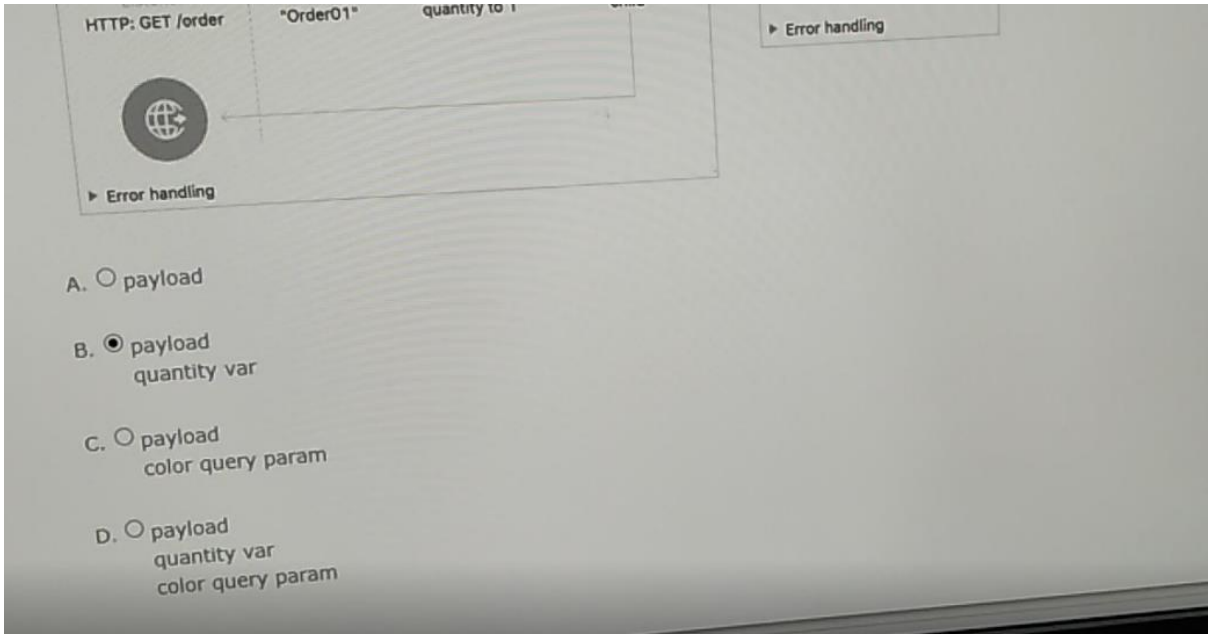


A. ○ payload

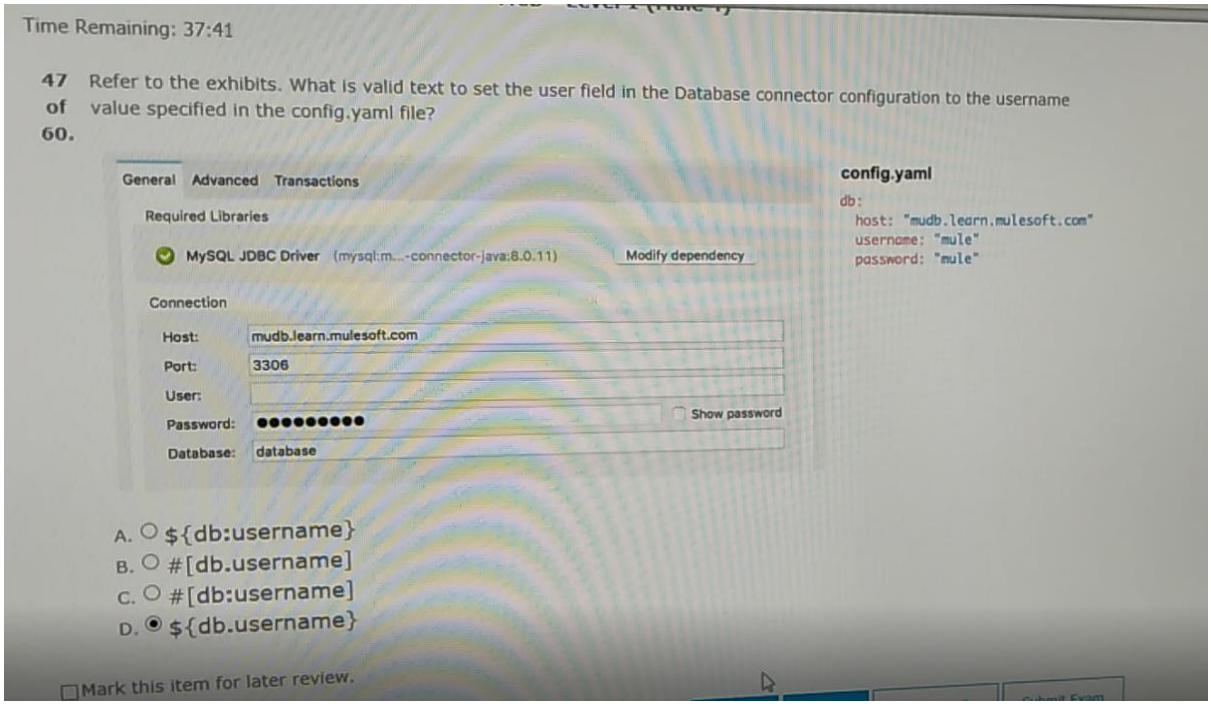
B. ◉ payload
quantity var

C. ○ payload
color query param

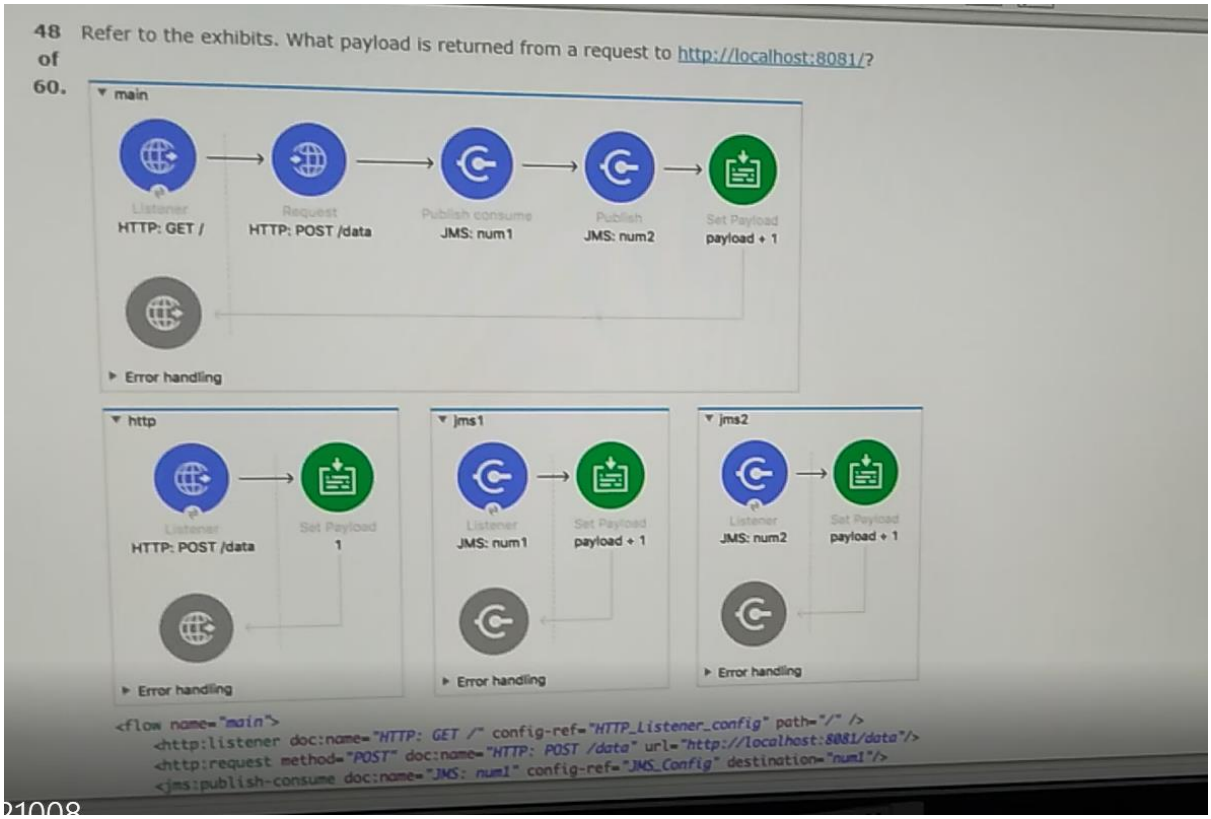
D. ○ payload
quantity var

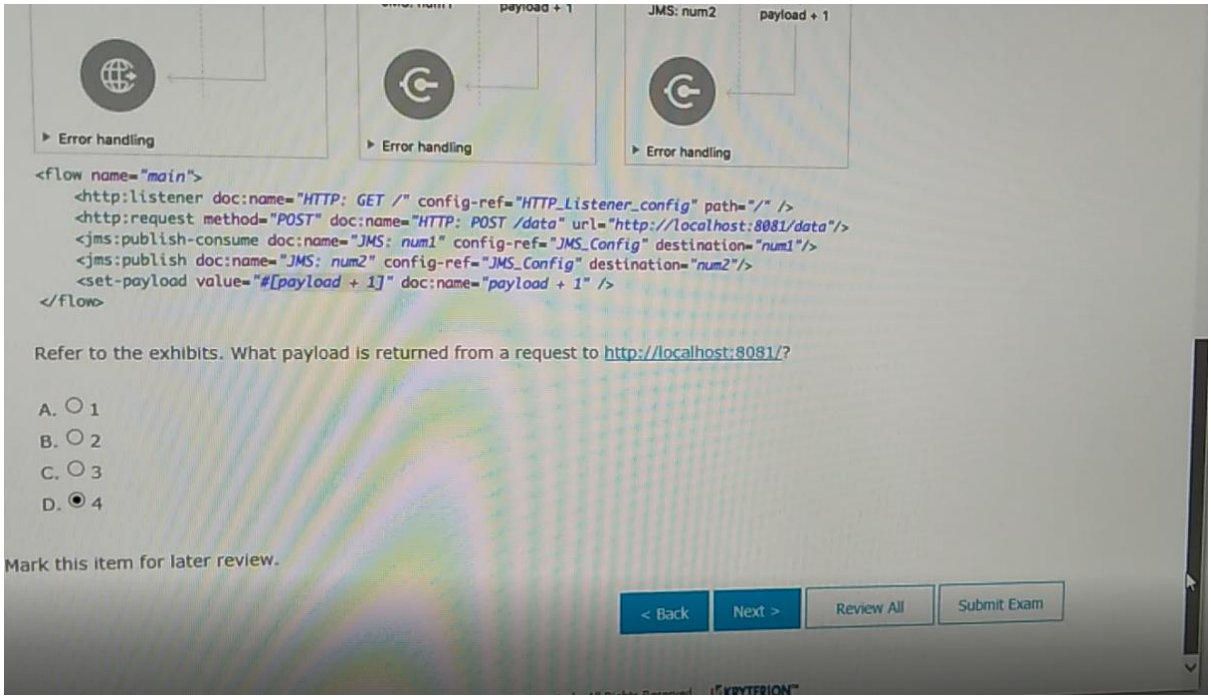

HTTP: GET /order
"Order01"
quantity to 1
Error handling
Error handling
A. payload
B. payload
quantity var
C. payload
color query param
D. payload
quantity var
color query param

A) D


Time Remaining: 37:41
47 of 60. 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?
General
Advanced
Transactions
Required Libraries
MySQL JDBC Driver (mysql:m...-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 of 60.
Refer to the exhibits. What payload is returned from a request to http://localhost:8081/?
main
Listener
HTTP: GET /
Request
HTTP: POST /data
Publish consume
JMS: num1
Publish
JMS: num2
Set Payload
payload + 1
Error handling
http
Listener
HTTP: POST /data
Set Payload
1
Error handling
jms1
Listener
JMS: num1
Set Payload
payload + 1
Error handling
jms2
Listener
JMS: num2
Set Payload
payload + 1
Error handling
<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"/>


payload + 1
JMS: num2
payload + 1
Error handling
Error handling
Error handling
<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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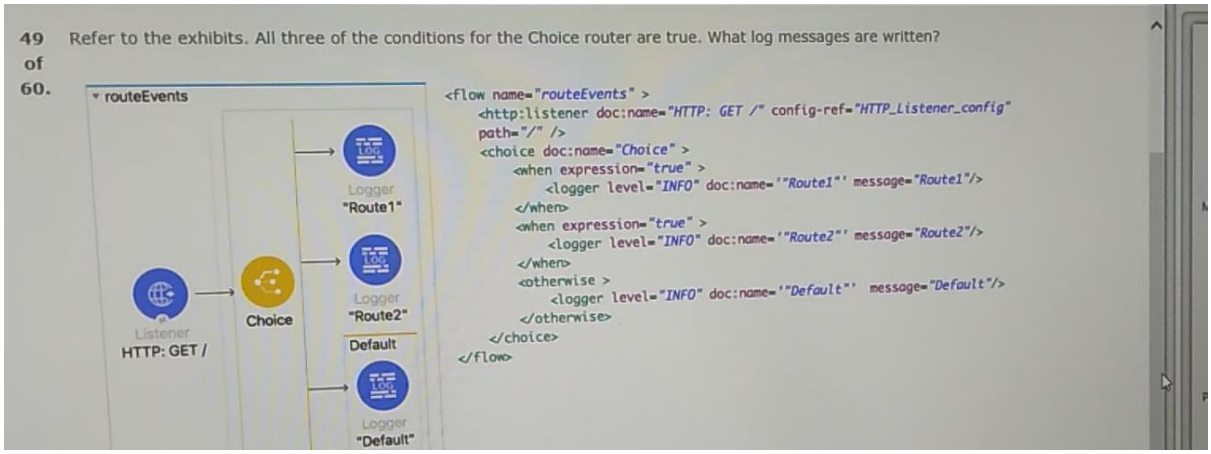
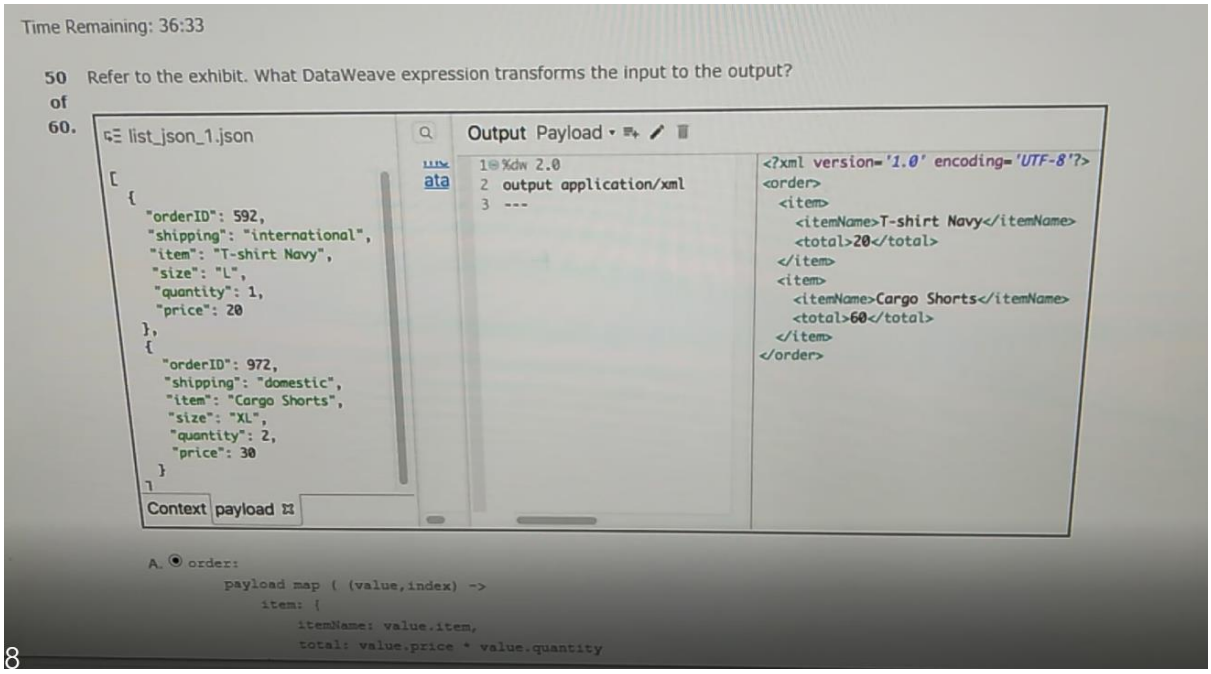
A) C


49 of 60.
Refer to the exhibits. All three of the conditions for the Choice router are true. What log messages are written?
routeEvents
Listener
HTTP: GET /
Choice
Logger
"Route1"
Logger
"Route2"
Default
Logger
"Default"
<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>


Logger
"Default"
Error
handling
A. Route1
B. Route2
C. Route1, Route2
D. Route1, Route2, Default

A) A


Time Remaining: 36:33
50 of 60.
Refer to the exhibit. What DataWeave expression transforms the input to the output?
list_json_1.json
[
{
"orderID": 592,
"shipping": "international",
"item": "T-shirt Navy",
"size": "L",
"quantity": 1,
"price": 20
},
{
"orderID": 972,
"shipping": "domestic",
"item": "Cargo Shorts",
"size": "XL",
"quantity": 2,
"price": 30
}
]
Context payload
Output Payload
1 %dw 2.0
2 output application/xml
3 ---
<?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

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: {
```

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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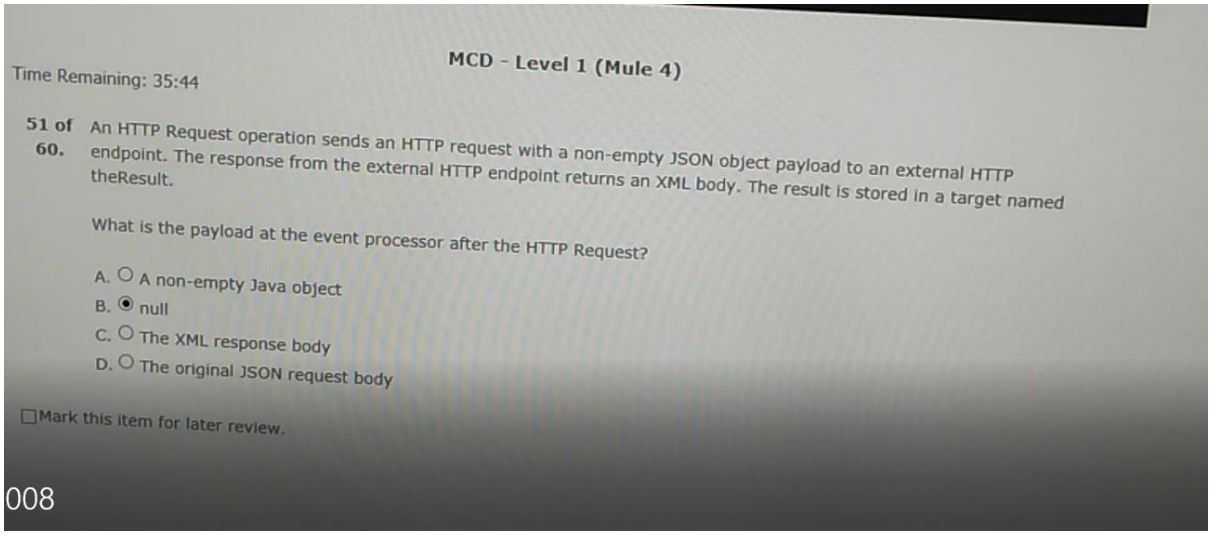
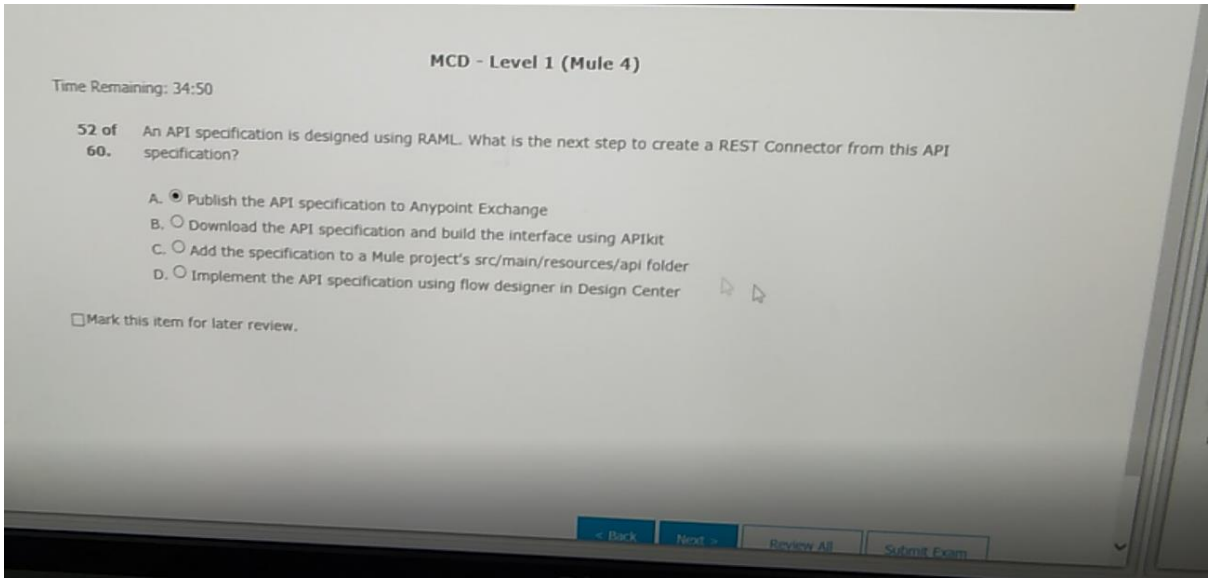
A) B


MCD - Level 1 (Mule 4)
Time Remaining: 35:44
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.
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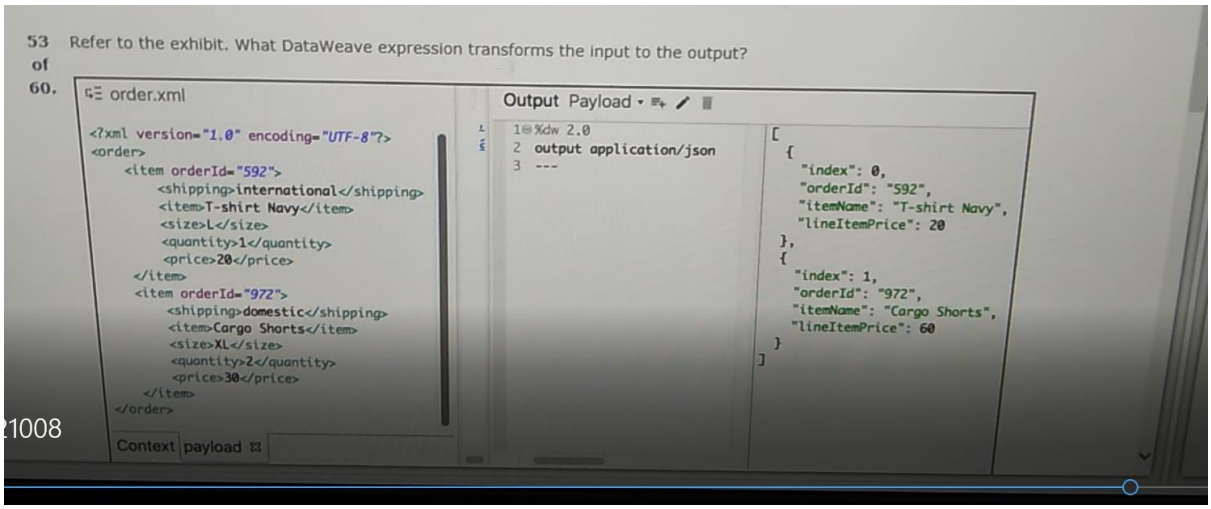
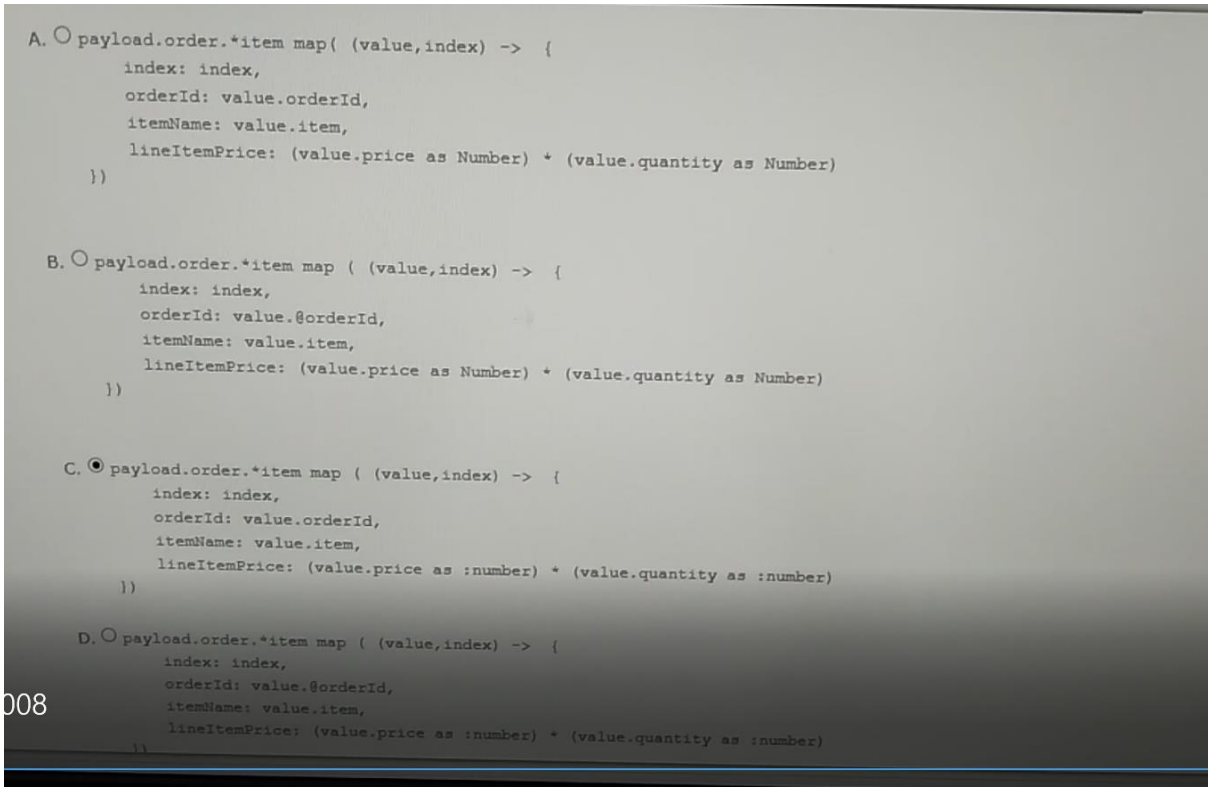
A) A


53 of 60.
Refer to the exhibit. What DataWeave expression transforms the input to the output?
order.xml
<?xml version="1.0" encoding="UTF-8"?>
<order>
<item orderId="592">
<shipping>international</shipping>
<item>T-shirt Navy</item>
<size>L</size>
<quantity>1</quantity>
<price>20</price>
</item>
<item orderId="972">
<shipping>domestic</shipping>
<item>Cargo Shorts</item>
<size>XL</size>
<quantity>2</quantity>
<price>30</price>
</item>
</order>
Context payload
Output Payload
%dw 2.0
output application/json

[
{
"index": 0,
"orderId": "592",
"itemName": "T-shirt Navy",
"lineItemPrice": 20
},
{
"index": 1,
"orderId": "972",
"itemName": "Cargo Shorts",
"lineItemPrice": 60
}
]
21008



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

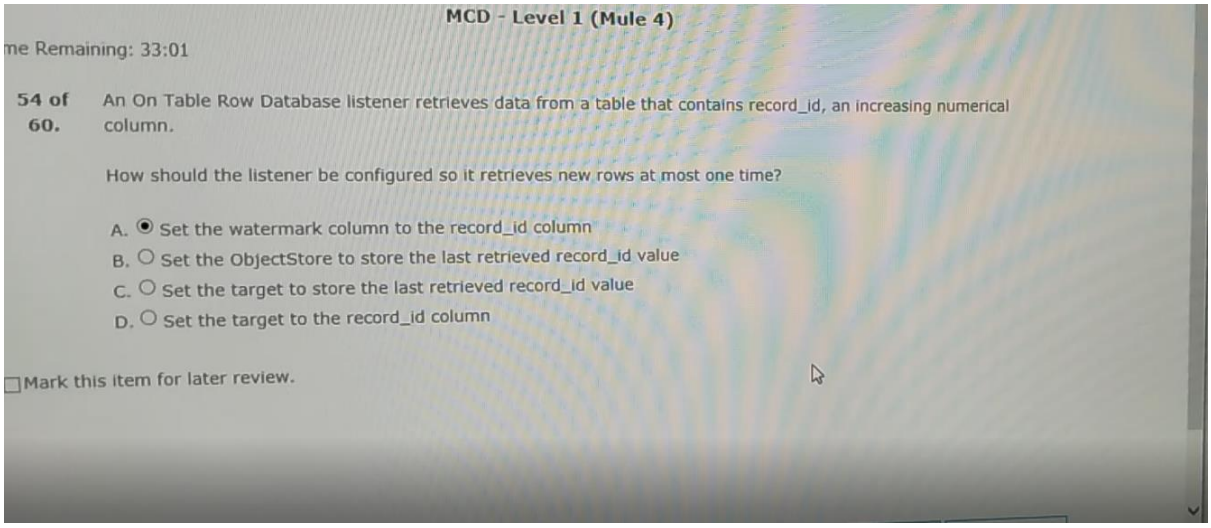
B. ○
```
payload.order.*item map ( (value,index) -> {
    index: index,
    orderId: value.@orderId,
    itemName: value.item,
    lineItemPrice: (value.price as Number) * (value.quantity as Number)
})
```

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)
})
```

008

A) B



MCD - Level 1 (Mule 4)

me 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.

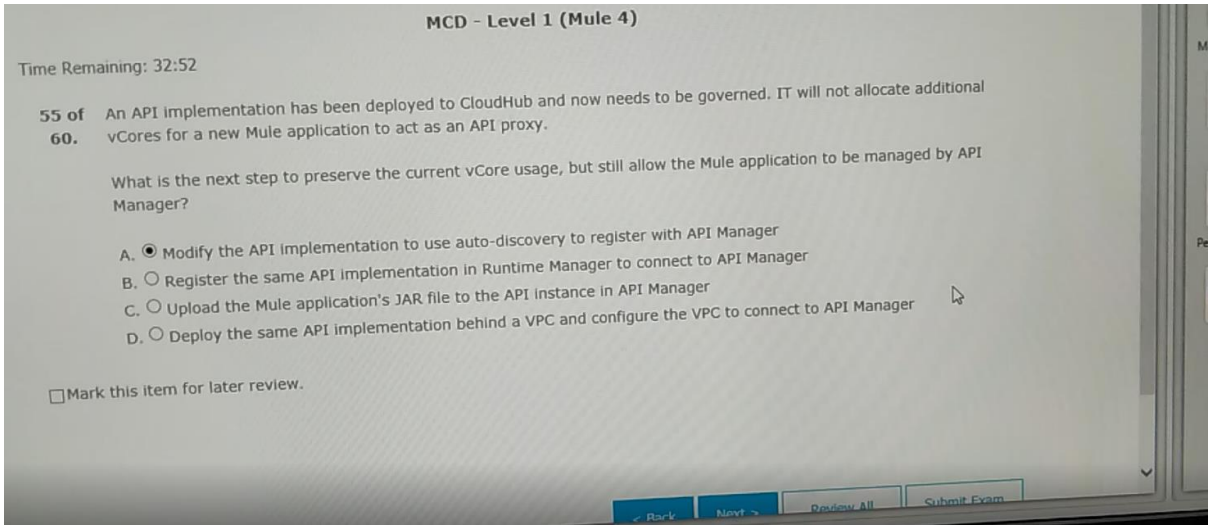
How should the listener be configured so it retrieves new rows at most one time?

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 60.
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.
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.
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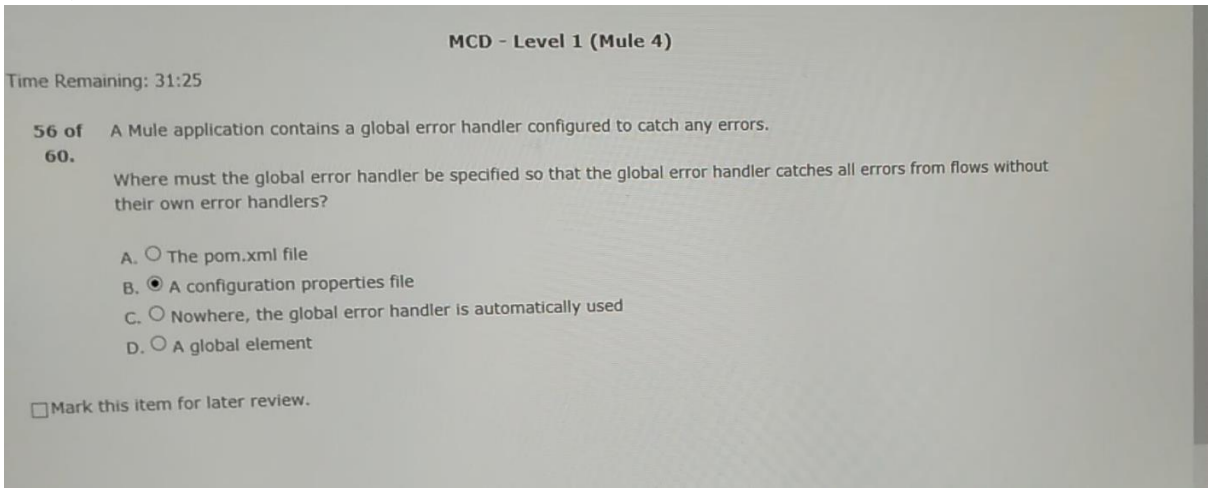
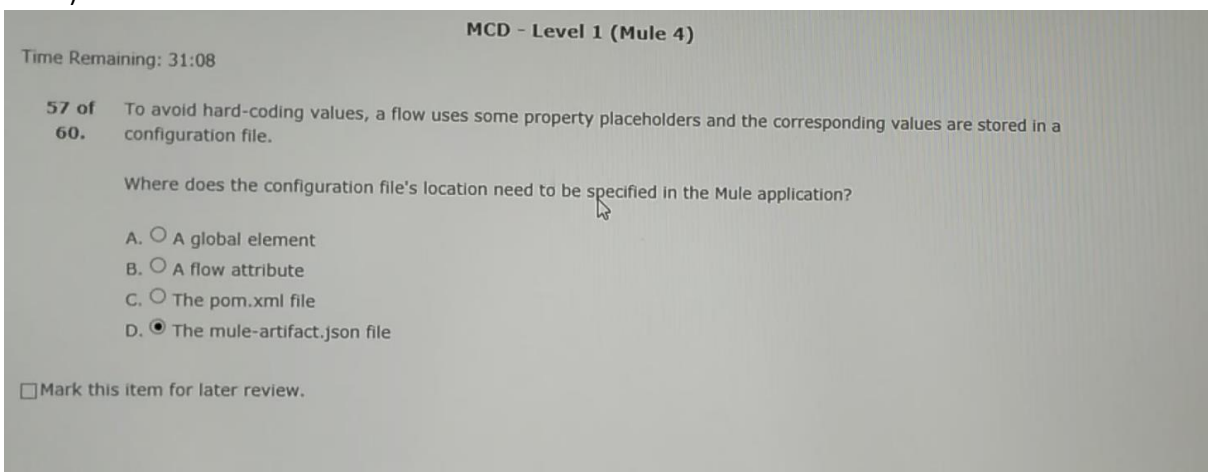
A) A


MCD - Level 1 (Mule 4)
Time Remaining: 31:25
56 of 60.
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?
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 60.
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

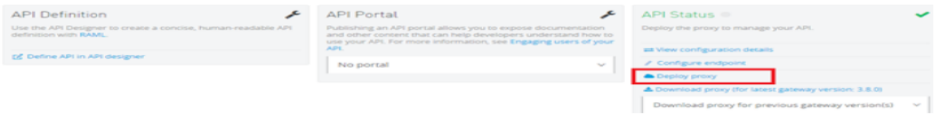
☐ Mark this item for later review.

A) D

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

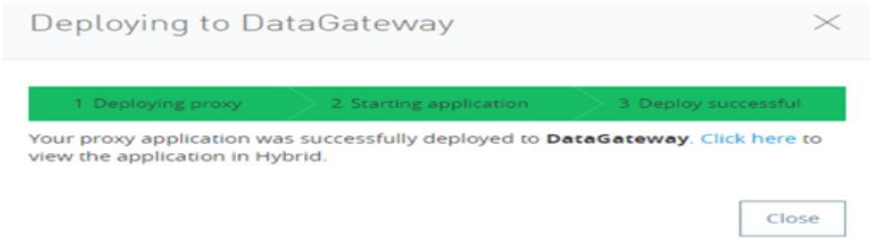
Deploying Proxy Application From API Manager Interface On-Premises Server Directly

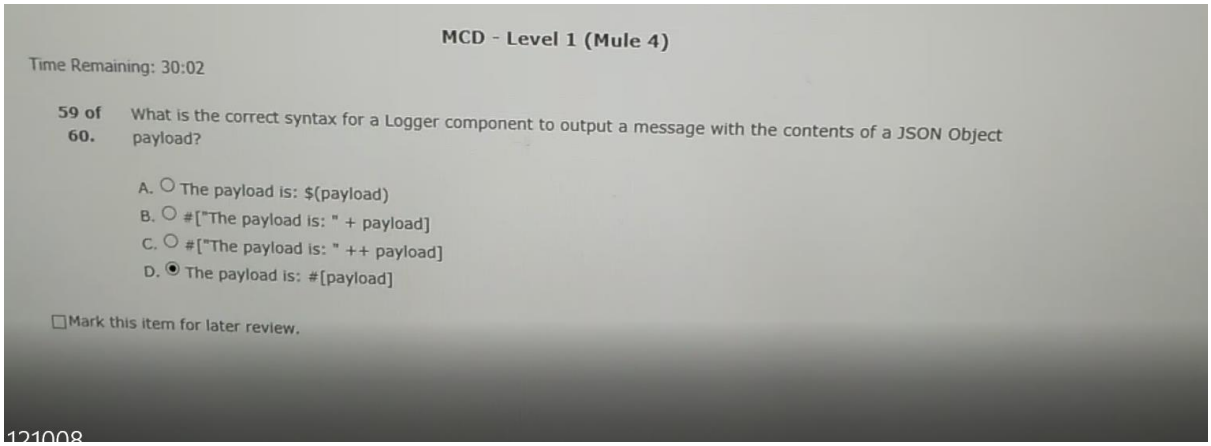
After applying the ***Rate Limiting*** policy, we will deploy the *proxy* application from API Manager interf to directly our on-premises Data Gateway server by selecting ***Deploy Proxy*** option we can see below:



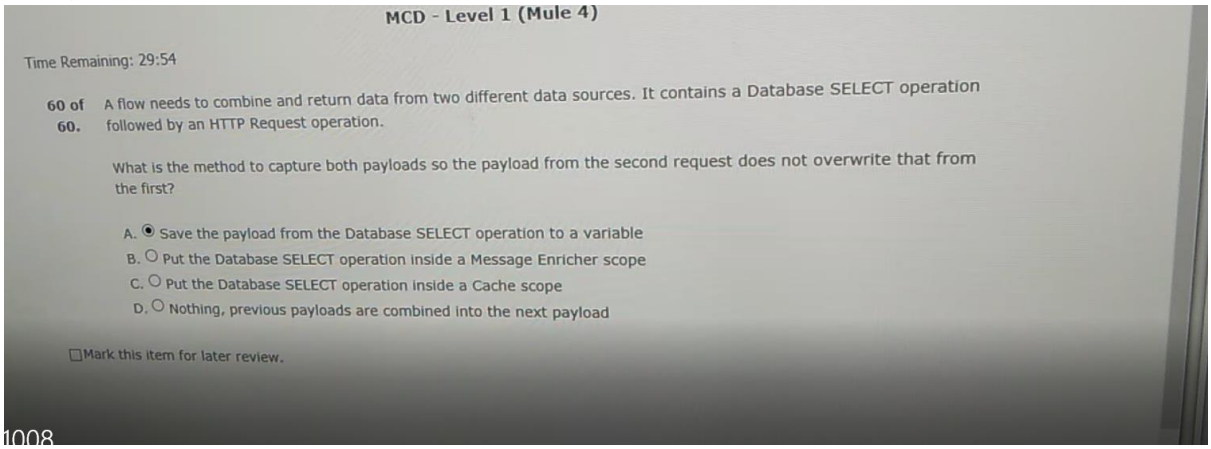
We need to select our on-premises Data Gateway proxy server which is just registered with the API Manager interface and then we need to click Deploy Proxy button as shown below:

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.

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.

A) A