



# MCD-LEVEL1<sup>Q&As</sup>

MuleSoft Certified Developer - Level 1 (Mule 4)

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### QUESTION 1

How are query parameters dynamically passed to an outbound REST request using an HTTP Request operation?

- A. As query parameters in the HTTP Request operation
- B. As URI parameters in the HTTP Request operation
- C. In the Mule event's payload
- D. As flow variables

Correct Answer: A

In General > Request > Query Parameters, click the plus icon (+) to add a parameter to a request. Type a name and value for the parameter or use a DataWeave expression to define the name and value.

The screenshot shows the MuleSoft configuration interface for an HTTP Request operation. The URL field contains the expression: `http://${training.host}:${training.port}${training.basepath}/united/flights/{dest}`. The 'Request' section is expanded, showing the 'Method' set to 'GET (Default)', the 'Path' set to `/united/flights/{dest}`, and the 'URL' field empty. The 'Query Parameters' tab is selected, displaying a table with one parameter:

Name	Value
"Key"	"request_key"

At the bottom, the 'Send correlation id' field is set to '-- Empty --'.

### QUESTION 2

Which one of them is NOT a flow in Mule?

- A. sync flow
- B. subflow
- C. async sub flow
- D. async flow

Correct Answer: C

Correct answer is async sub flow. Rest are valid flows in Mule. Sub flow is always synchronous.



### QUESTION 3

Refer to the exhibits.

Input payload:

```
[
  {"size": "large", "amount": 1000, "price": 400.00},
  {"size": "medium", "amount": 400, "price": 600.00},
  {"size": "small", "amount": 1, "price": 800.00}
]
```



```
<batch:job jobName="Batch_job" maxFailedRecords="-1">
  <batch:process-records >
    <batch:step name="lessThan500" acceptExpression="#[payload.amount <= 500]" acceptPolicy="ALL">
      <set-payload value="#[{"amount": payload.amount + 100}]"
      doc:name='{"amount": payload.amount + 100}' />
      <logger level="INFO" doc:name="payload" message="#[payload]" />
    </batch:step>
    <batch:step name="greaterThan200" acceptExpression="#[ payload.amount > 200 ]" acceptPolicy="ALL">
      <set-payload value="#[{step2amount: payload.amount}]" doc:name='{step2amount: payload.amount}' />
      <logger level="INFO" doc:name="payload" message="#[payload]" />
    </batch:step>
  </batch:process-records>
</batch:job>
```

The Batch Job scope contains two Batch Step scopes with different accept expressions.

The input payload is passed to the Batch Job scope.

After the entire payload is processed by the Batch Job scope, what messages have been logged by the Logger components?



- A. 

```
{ "amount": 500 }  
{ "amount": 101 }  
{ "step2amount": 1000 }
```
- B. 

```
{ "amount": 500 }  
{ "amount": 601 }  
{ "step2amount": 1000 }  
{ "step2amount": 500 }  
{ "step2amount": 601 }
```
- C. 

```
{ "amount": 500 }  
{ "amount": 101 }  
{ "step2amount": 1000 }  
{ "step2amount": 500 }
```
- D. 

```
{ "amount": 500 }  
{ "amount": 101 }  
{ "step2amount": 1000 }  
{ "step2amount": 400 }
```

A. Option A

B. Option B

C. Option C

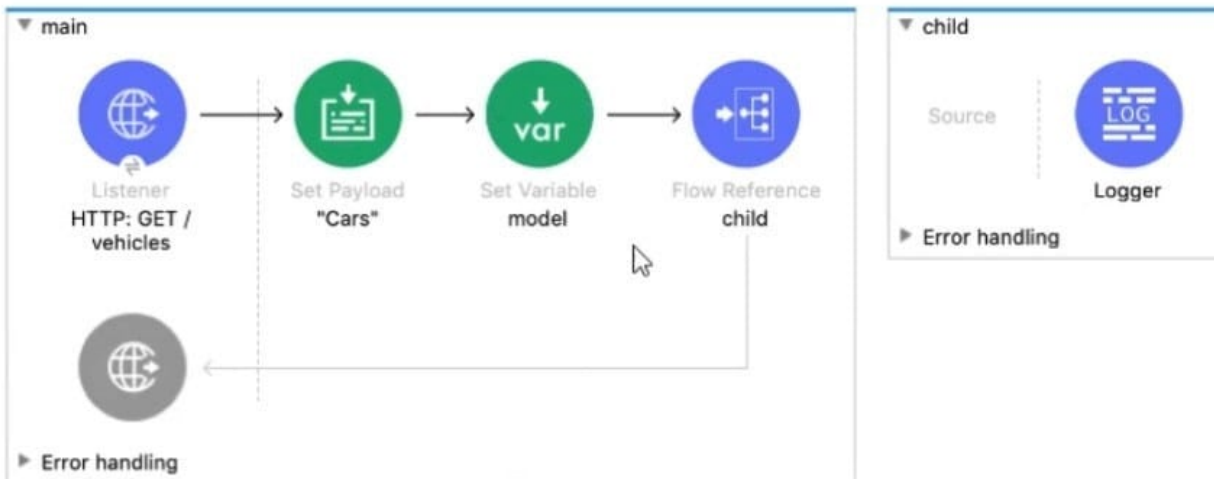
D. Option D

Correct Answer: C

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#### QUESTION 4

Refer to the exhibits.



The main flow contains a Flow Reference to the child flow.

A web client sends a GET request to the main flow's HTTP Listener that includes a make query parameter.

What values are accessible in the child flow?

- A. payload
- B. payload make query param
- C. payload model var
- D. payload make query param model var

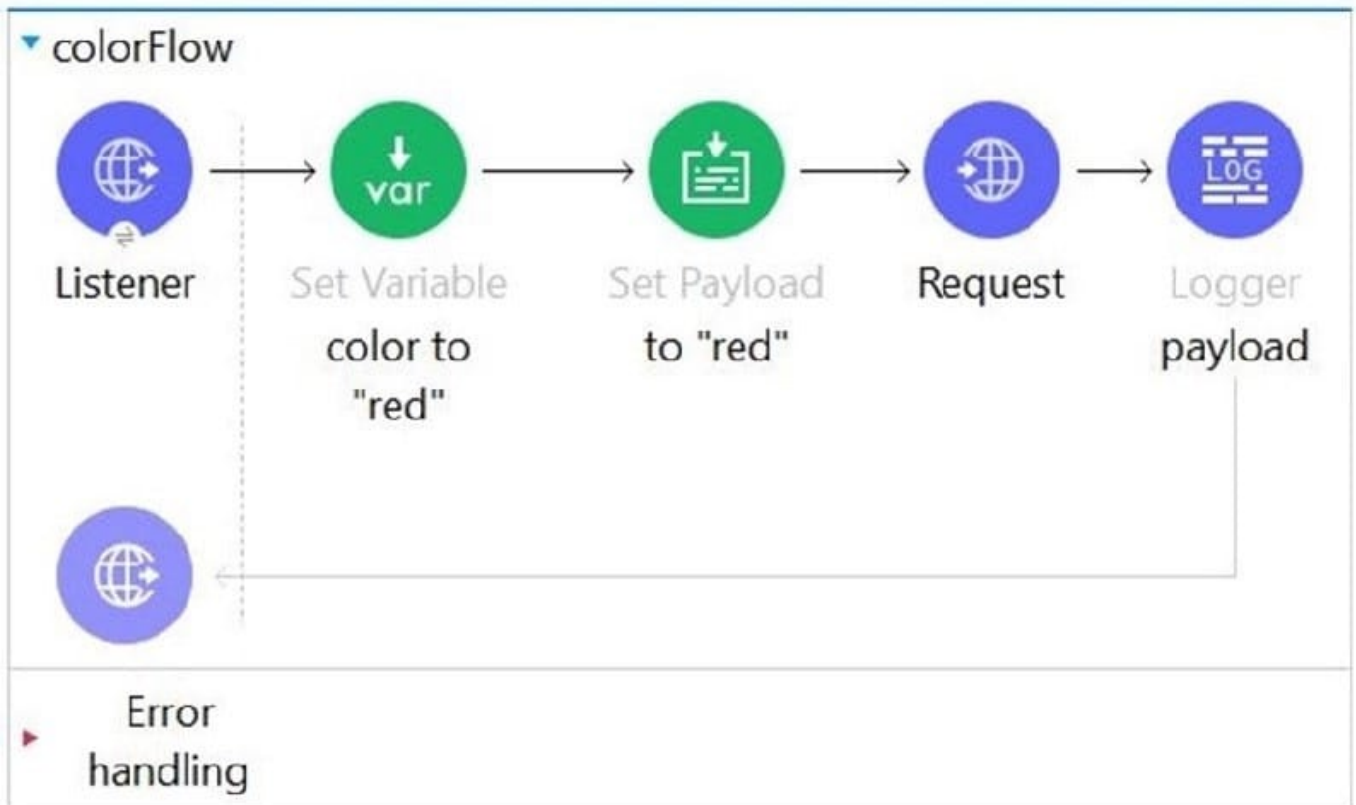
Correct Answer: D

### QUESTION 5

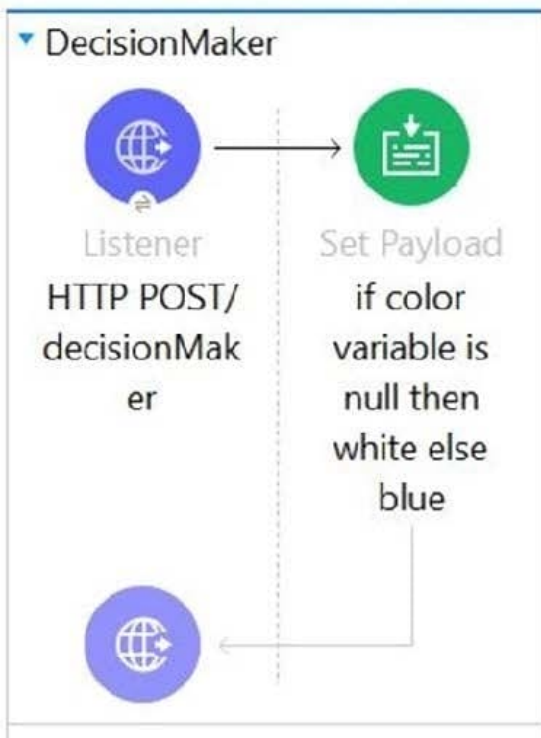
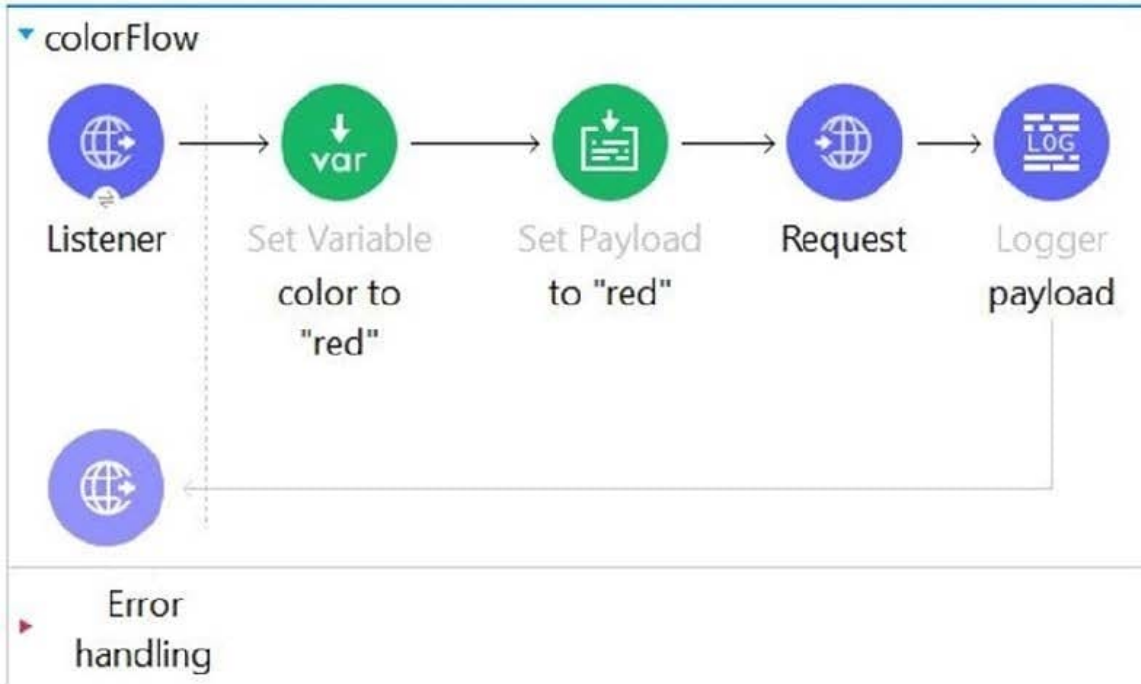
Refer to the exhibits. In the color flow , both the variable named color and payload are set to "red".

An HTTP POST request is then sent to the decideColor flow's HTTP Listener.

What is the payload value at the Logger component after the HTTP request completes?







```

<flow name="colorFlow" doc:id="c0a8245d-7f64-41ec-b611-f3d55407a9c1" >
  <http:listener doc:name="Listener" doc:id="e0342e2c-504b-44c0-96e7-b356528215fb" config-ref="HTTP_Listener_config" path="/color"/>
  <set-variable value="red" doc:name="color to 'red'" doc:id="8bc2c51f-b23b-4b5e-afc4-84c7f4a6ed1f" variableName="color"/>
  <set-payload value="red" doc:name="to 'red'" doc:id="0d7ee5b9-3a8f-461d-b1f4-9ea26faf8701" />
  <http:request method="POST" doc:name="Request" doc:id="54725652-f25c-459c-a11b-75f551c6d4f5"
  config-ref="HTTP_Request_configuration" path="/decisionmaker"/>
  <logger level="INFO" doc:name="payload" doc:id="69c768e3-f169-469b-b60d-863fb51428e5" message="#[payload]"/>
</flow>
<flow name="DecisionMaker" doc:id="14f2a5e7-84f9-4171-891e-3d0ed16d6d5e" >
  <http:listener doc:name="HTTP POST/decisionMaker" doc:id="b9199cd2-5106-4bf9-84ca-b5aab42f4532" config-ref="HTTP_Listener_config" path="/decisionmaker"/>
  <set-payload value="#[if (vars.color == null)'white' else 'blue']"
  doc:name="if color variable is null then white else blue" doc:id="9fb8201c-d719-4856-9a56-ed989bf855ce" />
</flow>
  
```

A. white



- B. red
- C. blue
- D. Error message

Correct Answer: C

Correct answer is white. Key thing to note here is that variables are not available to the called flow when it is invoked using HTTP request. So the flow goes like below 1) Color variable is set to red 2) Payload is set to red 3) Child flow is called using HTTP request which means variables are not available in called flow (They would have been if flow reference activity would have been used) 4) Hence set payload activity will set payload to white as color variable is null 5) Payload returned in main flow is white. 6) So finally output of logger is white

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