

API Designing

MCQ 2 marks each

1 An API has been created in Design Center. What is the next step to make the API discoverable?

- ☐ A Deploy the API to a Maven repository
- ☐ B Enable autodiscovery in API Manager
- ☐ C Publish the API from inside Flow Designer
- ☐ D Publish the API to Anypoint Exchange

2 Refer to the exhibit. What is the correct URL to submit a GET request to /patients?

```
1  #RAML 1.0
2  title: ACME Medical API
3  baseUrl: http://dev.acme.com/api
4
5  /patients:
6    get:
7      queryParameters:
8        year:
9          type: integer
10         example: 2017
```

- ☐ A http://dev.acme.com/patients?year=2016
- ☐ B http://dev.acme.com/api/patients
- ☐ C http://dev.acme.com/patients
- ☐ D http://dev.acme.com/api/patients?year=2016

[Clear Answer](#)

- 3 A RAML example fragment named BankAccountsExample.raml is placed in the examples folder in an API specification project.

What is the correct syntax to reference the fragment?

- ☐ A examples: !include BankAccountsExample.raml
- ☐ B examples: #import BankAccountsExample.raml
- ☐ C examples: !include examples/BankAccountsExample.raml
- ☐ D examples: #import examples/BankAccountsExample.raml

[Clear Answer](#)

- 4 Refer to the exhibit. There is an error in the flight_id resource's GET method. What needs to be done to fix the problem?

```
1. #%RAML 1.0
2. version: v1
3. title: American Flights API
4.
5. /flights:
6.   get:
7.
8.   /{flight_id}:
9.
10.  get:
```

- ☐ A Remove blank line on row 9
- ☐ B Enclose flight_id in parentheses () instead of curly braces {}
- ☐ C Indent the get method under the {flight_id} resource
- ☐ D Outdent the {flight_id} resource
- ☐ E Remove the curly braces {} around flight_id

- 5 Refer to the exhibit. This RAML specification includes an XML example that matches the Records data type defined in another RAML file named recordsDataType.raml.

Using the Records type, how can this XML example be represented in RAML?

```
##RAML 1.0
title: Records API

/records:
  get:
    responses:
      200:
        body:
          application/xml:
            example: |
              <music>
                <collection>Deep Collection</collection>
                <artists>
                  <artist1>Deep Purple</artist1>
                  <artist2>Rainbow</artist2>
                </artists>
              </music>
```

- ☐ A
- ```
##RAML 1.0
title: Records API

types:
 Records: !include recordsDataType.raml

/records:
 get:
 responses:
 200:
 body:
 application/xml:
 type: Records
 example:
 music:
 collection: "Deep Collection "
 artists:
 - artist1: "Deep Purple"
 - artist2: "Rainbow"
```

☐ B

```
##RAML 1.0
title: Records API

types:
 Records: !include recordsDataType.raml

/records:
 get:
 responses:
 200:
 body:
 application/xml:
 type: Records
 example:
 music:
 collection: "Deep Collection "
 artists:
 "Deep Purple"
 "Rainbow"
```

☐ C

```
##RAML 1.0
title: Records API

types:
 Records: !include recordsDataType.raml

/records:
 get:
 responses:
 200:
 body:
 application/xml:
 type: Records
 example:
 music:
 collection: "Deep Collection "
 artists: "Deep Purple", "Rainbow"
```

```
○ D #%RAML 1.0
 title: Records API

 types:
 Records: !include recordsDataType.raml

 /records:
 get:
 responses:
 200:
 body:
 application/xml:
 type: Records
 example:
 music:
 collection: "Deep Collection "
 artists:
 artist1: "Deep Purple"
 artist2: "Rainbow"
```

Practical. ----- 10 marks

1. Design an API using Design studio where Resource name is /Students  
Method: Get  
QueryParam studentid  
Response Example in body  
With student name, student Roll No , class and stream

Use Mocking services to get the output

Publish the Following in Exchange