



350-901^{Q&As}

Developing Applications Using Cisco Core Platforms and APIs
(DEVCOR)

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QUESTION 1

Refer to the exhibit.

<code>\$filter { string }</code>	query
Filter criteria for documents to return. A URI with a \$filter System Query Option identifies a subset of the Entries from the Collection of Entries identified by the Resource Path section of the URI. The subset is determined by selecting only the Entries that satisfy the predicate expression specified by the query option. The expression language that is used in \$filter operators supports references to properties and literals. The literal values can be strings enclosed in single quotes, numbers and boolean values (true or false) or any of the additional literal representations shown in the Abstract Type System section. Query examples: \$filter=Name eq 'Bob' \$filter=Tags/any(t: t/Key eq 'Site') \$filter=Tags/any(t: t/Key eq 'Site' and t/Value eq "London")	
<code>GET /api/v1/compute/RackUnits?\$filter=Tags/any (t:t/Key eq 'Site')</code>	

An Intersight API is being used to query RackUnit resources that have a tag keyword set to "Site". What is the expected output of this command?

- A. list of all resources that have a tag with the keyword "Site"
- B. error message because the Value field was not specified
- C. error message because the tag filter should be lowercase
- D. list of all sites that contain RackUnit tagged compute resources

Correct Answer: A

QUESTION 2

An application is made up of multiple microservices, each communicating via APIs. One service is beginning to be a bottleneck for the application because it can take a lot of time to complete requests. An engineer tried adding additional instances of this service behind the load balancer, but it did not have any effect. Which application design change must be implemented in this scenario?

- A. Move from synchronous to asynchronous interactions with the service and implement a message queue.
- B. Deploy an API gateway to centralize all inbound communication requests and offload authentication
- C. Vendor all dependencies into the service that is causing delays to remove external dependency checks.
- D. Leverage serverless architecture instead of containers to gain the advantage of event driven APIs.

Correct Answer: A



QUESTION 3

Refer to the exhibit.

```
response = requests.get(url)
if response.status_code != 200:
    error_message = "Unexpected HTTP Response code: {}".format(response.status_code)
    raise Exception(error_message)
data = response.json()
```

This snippet of a script has recently started exiting abnormally with an exception stating "Unexpected HTTP Response code: 429". Which solution handles rate limiting by the remote API?

A.

```
response = requests.get(url)
if response.status_code == 429:
    backoff_seconds = int(response.headers['Retry-After'])
    sleep(backoff_seconds)
elif response.status_code != 200:
    error_message = "Unexpected HTTP Response code: {}".format(response.status_code)
    raise Exception(error_message)
data = response.json()
```

B.

```
response = requests.get(url)
if response.status_code != 200 and response.status_code != 429:
    error_message = "Unexpected HTTP Response code: {}".format(response.status_code)
    raise Exception(error_message)
data = response.json()
```

C.

```
response = requests.get(url)
if response.status_code != 200 and response.status_code != 429:
    backoff_seconds = int(response.headers['Retry-After'])
    sleep(backoff_seconds)
    error_message = "Unexpected HTTP Response code: {}".format(response.status_code)
    raise Exception(error_message)
data = response.json()
```

D.

```
response = requests.get(url)
if response.status_code == 429:
    backoff_seconds = int(response.headers['Retry-After'])
    sleep(backoff_seconds)
    response = requests.get(url)
elif response.status_code != 200:
    error_message = "Unexpected HTTP Response code: {}".format(response.status_code)
    raise Exception(error_message)
data = response.json()
```

A. Option A

B. Option B

C. Option C



D. Option D

Correct Answer: D

QUESTION 4

DRAG DROP

Drag and drop the code from the bottom onto the box where the code is missing in the Python code to complete the greeter function while also mitigating against XSS threats. Not all options are used.

Select and Place:

```
from datetime import datetime
from flask import Flask, request, make_response, escape
from flask_wtf.csrf import CSRFProtect

[ ]

csrf = CSRFProtect(app)

[ ]

def time():
    now = datetime.now()
    current_time = now.strftime("%H:%M:%S")
    return make_response("Current Time: " + current_time)

[ ]

def greeter():
    first_name = request.args.get("name", '')
    return make_response("Your name: " + [ ] )
```

first_name	app = Flask(_name_)	@app.route('/time')
@app.route('/greeter')	escape(first_name)	last_name

Correct Answer:



```
from datetime import datetime
from flask import Flask, request, make_response, escape
from flask_wtf.csrf import CSRFProtect

app = Flask(__name__)

csrf = CSRFProtect(app)

@app.route('/time')
def time():
    now = datetime.now()
    current_time = now.strftime("%H:%M:%S")
    return make_response("Current Time: " + current_time)

@app.route('/greeter')
def greeter():
    first_name = request.args.get("name", '')
    return make_response("Your name: " + first_name)
```

```
escape(first_name)
last_name
```

QUESTION 5

A developer in a learn of distributed authors is working on code in an isolated Git branch named \\update4a2f5464771 The developer attempts to merge the new code with a branch named \\dvcapp2a3f1564733\\ however the merge operation encounters a conflict error during the process. Which Git command must the developer use to exit from the merge process and return the branch to the previous state?

- A. git merge -exit
- B. git merge -abort
- C. git abort --merge
- D. git abort -status

Correct Answer: B

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