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| <b>Exam</b>         | <b>300-835</b>   |
| <b>Title</b>        | <b>Implementing Automation for Cisco Collaboration Solutions</b> |
| <b>Updated</b>      | <b>Version 8.0</b>   |
| <b>Product Type</b> | <b>60 Q&amp;A With Explanation</b>                               |

**QUESTION 1**

What is a benefit of using Python virtual environments?

- A. It isolates dependencies of every project from the system and each other.
- B. It allows Python to differentiate between package versions.
- C. It frees the developer from installing the project dependencies.
- D. It puts dependent packages in a common site-packages directory.

Answer: A

Section: Network Programmability Foundation Explanation

Explanation/Reference:

**QUESTION 2**

DRAG DROP

Drag and drop the bootkit functions from the left onto the correct actions on the right.

Select and Place:

Correct

Answer:

Section: Network Programmability Foundation Explanation

Explanation/Reference:

**QUESTION 3**

```
#!/usr/bin/env python
import os
import requests

token = os.environ.get('ACCESS_TOKEN')
url = "https://api.ciscospark.com/v1/messages"
roomId = "abcde12345"

mentionName = ""

markdownTxt = mentionName + ", your registration is confirmed"

payload = { "roomId": roomId, "markdown": markdownTxt }

headers = {
    "Authorization": "Bearer " + token,
    "Content-type": "application/json"
}

response = requests.request("POST", url, data=payload, headers = headers)
```

Refer to the exhibit. Which code snippet is used to mention the bot CiscoDevNet@webex.bot?

- A. <@personEmail.CiscoDevNet@webex.bot>
- B. @CiscoDevNet@webex.bot
- C. @personEmail.CiscoDevNet@webex.bot
- D. (@personEmail.CiscoDevNet@webex.bot)

Answer: B

Section: Network Programmability Foundation Explanation

Explanation/Reference:

#### QUESTION 4

##### DRAG DROP

An administrator is creating a script using the Python xAPI over WebSockets (pyxows) library. The goal of the script is to capture an event generated by a UI Extensions action button (former In-Room Control Panel). When the action button is clicked, the script displays an alert that says that the button ID was clicked. Drag and drop the code snippets into the locations to complete the script:

Select and Place:

##### Answer Area

```
import xows
import asyncio

async def start(ip, usr, pw):
    async with xows.XoWSClient(ip,username=usr, password=pw) as client:
        async def callback(data,id_):
            [REDACTED]
            [REDACTED]
            [REDACTED]
        await client.wait_until_closed()
    async def task():
        [REDACTED]
        [REDACTED]
```

await client.xCommand(['UserInterface', 'Message', 'Alert', 'Display'], Title=panelid, Text= "Was clicked")

panelId = data['Event']['UserInterface']['Extensions']['Panel']['Clicked']['PanelId']

await start('10.10.10.1', 'admin', 'T357c45e')

await client.subscribe(['Event', 'UserInterface', 'Extensions', 'Panel', 'Clicked'], callback, True)

asyncio.run(task())

Correct Answer:

## Answer Area

```
import xows
import asyncio

async def start(ip, usr, pw):
    async with xows.XoWSClient(ip,username=usr, password=pw) as client:
        async def callback(data,id_):
            panelId = data['Event']['UserInterface']['Extensions']['Panel']['Clicked']['PanelId']
            await client.xCommand(['UserInterface','Message','Alert','Display'], Title=panelid, Text= "Was clicked")
            await client.subscribe(['Event','UserInterface','Extensions','Panel','Clicked'], callback, True)
        await client.wait_until_closed()
    async def task():
        await start('10.10.10.1','admin','T357c45e')
    asyncio.run(task())
```

await client.xCommand(['UserInterface','Message','Alert','Display'], Title=panelid, Text= "Was clicked")

panelId = data['Event']['UserInterface']['Extensions']['Panel']['Clicked']['PanelId']

await start('10.10.10.1','admin','T357c45e')

await client.subscribe(['Event','UserInterface','Extensions','Panel','Clicked'], callback, True)

asyncio.run(task())

Section: Network Programmability Foundation Explanation  
Explanation/Reference:

**QUESTION 5**

## DRAG DROP

Drag and drop the code to complete the curl command that creates a halfwake brand logo using the xAPI HTTP API. Not all options are used. Code can be used more than one time.

Select and Place:

Correct

Answer:

Section: Network Programmability Foundation Explanation  
Explanation/Reference:

**QUESTION 6**

Which two statements describe advantages of consuming APIs with asynchronous versus synchronous requests? (Choose two.)

- A. All Cisco APIs are designed to be invoked asynchronously.
- B. APIs respond more quickly when invoked asynchronously.
- C. Asynchronous request coding is less complex.
- D. Application threads do not block waiting for an asynchronous response.
- E. Multiple asynchronous requests can be sent simultaneously.

Answer: B,D

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Section: Network Programmability Foundation Explanation

Explanation/Reference:

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**QUESTION 7**

Using the Finesse REST APIs coupled with the Finesse notifications, which two use cases can be accomplished? (Choose two.)

- A. Add video calling capabilities to an existing application such as a CRM.
- B. Add outbound call capabilities to an existing application such as a CRM.
- C. Develop a secure monitoring application that captures the agent's states and dialog information of every agent in the contact center system.
- D. Develop a fully functioning custom agent desktop that has call control, workflows, and client logging.
- E. Develop a fully functioning custom agent desktop for chat, email, and SMS interactions including the content of the chat, email, and SMS.

Answer: B,E

Section: Network Programmability Foundation Explanation

Explanation/Reference:

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**QUESTION 8**

Which two characteristics of REST APIs? (Choose two.)

- A. Resources are accessed using Uniform Resource Identifiers.
- B. API operations for Create/Read/Update/Delete are mapped to standard HTTP methods.
- C. Cookies are used for the duration of the session.
- D. REST API extends Remote Procedure Call.
- E. The server manages the session state.

Answer: A,B

Section: Network Programmability Foundation Explanation

Explanation/Reference:

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**QUESTION 9**

DRAG DROP

Drag and drop the elements from the left onto the correct descriptions on the right. Not all options are used.

Select and Place:

Correct

Answer:

Section: Network Programmability Foundation

Explanation

Explanation/Reference:

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**QUESTION 10**

```
def my_function(listOfNumbers, b):
    total1 = b
    total2 = 0

    for num in listOfNumbers:
        if num < 5:
            total1 += num
        else:
            total2 += num

    return total1

listOfNums = [4, 3, 9, 1, 7, 2, 9, 0, 6, 8, 5]
a = my_function(listOfNums, 3)
print(a)
```

Refer to the exhibit. Which value of `a` is displayed when the Python code is executed?

- A. 10
- B. 13
- C. 18
- D. 21

Answer: B

Section: Network Programmability Foundation Explanation

Explanation/Reference:

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### QUESTION 11

#### DRAG DROP

Drag and drop the git commands/steps from the left into the correct order on the right to make changes and submit code to a remote repository.

Select and Place:

Correct

Answer:

Section: Network Programmability Foundation Explanation

Explanation/Reference:

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### QUESTION 12

What are two key features of Cisco Unified Communications Manager Serviceability APIs? (Choose two.)

- A. save alarms and events for troubleshooting
- B. connect to serial console on phone hardware
- C. configure firewall rules on phone hardware
- D. scan servers and devices for malware
- E. real-time monitoring of components

Answer: A,E

Section: Unified Communication Explanation

Explanation/Reference:

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**QUESTION 13**

Which two files must be downloaded from a Cisco Unified Communications Manager server in order to build requests for the AXL API? (Choose two.)

- A. AXLEnums.xsd
- B. AXL\_CUCM.xsd
- C. AXLSOap.xsd
- D. CUCM\_AXL.json
- E. AXLWSDL.xml

Answer: A,C

Section: Unified Communication Explanation

Explanation/Reference:

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**QUESTION 14**

Which statement describe the function of the perfmonCollectCounterData operation used in the Cisco Unified Communications Manager Serviceability Perfmon API?

- A. It returns the Perfmon data for all counters that belong to an object on a particular host.
- B. It collects files from RTMT.
- C. It collects the Perfmon data for all counters that have been added with perfmonAddCounter to the session handle returned from perfmonOpenSession.
- D. It returns the list of available Perfmon objects and counters on a particular host.

Answer: A

Section: Unified Communication Explanation

Explanation/Reference:

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**QUESTION 15**

Which two capabilities can be implemented in a custom application using the Cisco Unified IP Phone Services API? (Choose two.)

- A. Authenticate the phone to the network.
- B. Display corporate directory information.
- C. Play multicast messages.
- D. Upgrade phone firmware.
- E. Create new phone devices.

Answer: C,E

Section: Unified Communication Explanation

Explanation/Reference:

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**QUESTION 16**

DRAG DROP

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