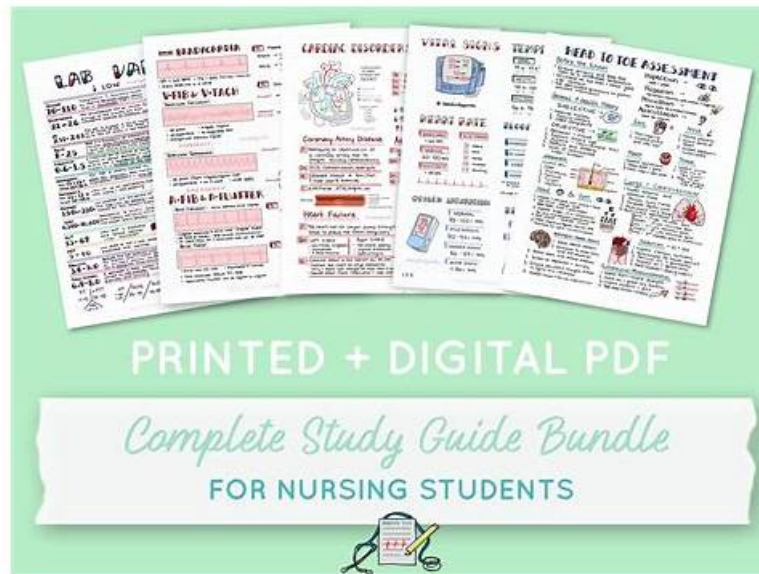


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## Cisco Automating and Programming Cisco Enterprise Solutions Sample Questions (Q72-Q77):

NEW QUESTION # 72

FILL BLANK

Fill in the blanks to complete this API request against the Cisco SD\_WAN vManage Statistics API, which specified a deviceId of 260fa99-2d31-4312-cf96-143b46db0211, a local-color of biz-internet, and a remote- color of gold.

Answer:

Explanation:

deviceID=, local-color, remote-color

Section: Network Device Programmability

Explanation/Reference:

[https://sdwan-docs.cisco.com/Product\\_Documentation/Command\\_Reference/Command\\_Reference/vManage\\_REST\\_APIs/Real-Time\\_Monitoring\\_APIs/Application-Aware\\_Routing#Statistics](https://sdwan-docs.cisco.com/Product_Documentation/Command_Reference/Command_Reference/vManage_REST_APIs/Real-Time_Monitoring_APIs/Application-Aware_Routing#Statistics)

### NEW QUESTION # 73

Refer to the exhibits. An engineer creates a Python script using ncclient to display interface information. The code must be completed so that it can be tested.

Which expression completes the highlighted section in the format call?

```
from device_info import ios_xel
from ncclient import manager
import xmltodict
```

```
netconf_filter = open('filter-ietf-interfaces.xml').read()
```

```
if __name__ == '__main__':
```

```
    with manager.connect(host=ios_xel["address"],
                        port=ios_xel["port"],
                        username=ios_xel["username"],
                        password=ios_xel["password"],
                        hostkey_verify=False) as m:
```

```
        netconf_reply = m.get(netcong_filter)
```

```
        intf_details = xmltodict.parse(netconf_reply.xml)["rpc-reply"]["data"]
        intf_config = intf_details["interfaces"]["interface"]
        intf_info = intf_details["interfaces-state"]["interface"]
```

```
        print("")
        print("Interface Details:")
        print(" Name: {}".format( [ ] ["name"]))
        print(" Description: {}".format(intf_config["description"]))
        print(" Type: {}".format(intf_config["type"]["#text"]))
        print(" MAC Address: {}".format(intf_info["phys-address"]))
        print(" Packet Input: {}".format(intf_info["statistics"]["in-unicast-pkts"]))
        print(" Packet Output: {}".format(intf_info["statistics"]["out-unicast-pkts"]))
```

```
<filter>
  <interfaces xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
    <interface>
      <name>GigabitEthernet2</name>
    </interface>
  </interfaces>
  <interfaces-state xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
    <interface>
      <name>GigabitEthernet2</name>
    </interface>
  </interfaces-state>
</filter>
```

- A. intf\_config[0]
- B. intf\_info
- C. intf\_config
- D. intf\_get

Answer: C

Explanation:

The highlighted format cell for print is for the host.

[https://github.com/CiscoDevNet/dnac-python-path-trace/blob/master/path\\_trace.py](https://github.com/CiscoDevNet/dnac-python-path-trace/blob/master/path_trace.py)

#### NEW QUESTION # 74

Refer to the exhibit. A Python script is used to configure a Cisco IOS XE router. The Loopback2 interface currently has a description of Management and an IP address/netmask of 10.222.34.22/32. What is the result of executing the script?

- A. The router rejects all commands, and the configuration remains the same.
- B. The interface is removed from the configuration.
- C. The interface description is removed from the configuration.
- D. The interface description remains the same.

Answer: D

#### NEW QUESTION # 75

Refer to the exhibit. An engineer is experiencing issues with their Cisco SDWAN vManage script.

Error handling must be added in the script to raise Python exceptions when the HTTP status code is not ok (4xx or 5xx). Which code snippet must be added to the box in the code to perform this task?

```
import requests

vmanage_host = "sandbox-sdwan-1.cisco.com"
token = "037840D5229F63BE0824C3F1CF323853C1CC69596270F5EF1F2582C2D94585FFA7F
F0DD134DF5C812DE53FBF43A6E87422F0"
session_id = "K1G2pHfuOhI250Ipn5nfekua2CKUSAR_AaxSNc6g.f0b685dd-0aef-4e8f-
9207-2719244d35ax"

url = f"https://{vmanage_host}/dataservice/system/device/management/systemip"
headers = {
    "Content-Type": "application/json",
    "X-XSRF-TOKEN": token,
    "Cookie": f"JSESSIONID={session_id}",
}

response = requests.request("GET", url, headers=headers, verify=False)
[ ]
print(response.json())
```

- A. response.status\_code
- B. requests.codes.ok
- C. response.raise\_for\_status()
- D. requests.raise\_for\_status()

Answer: C

Explanation:

The correct way to raise a Python exception when an HTTP response contains a 4xx or 5xx status code is by calling response.raise\_for\_status(). This method belongs to the Response object and will automatically raise an HTTPError if the response indicates a client or server error.

## NEW QUESTION # 76

In which two use cases should a Python virtual environment be used? (choose two.)

- A. When developing the same Python application across multiple systems using the same application requirements.
- B. When creating a new project with several development environments in a multi-project development system across the infrastructure.
- C. When developing multiple Python projects in the same environment that have conflicting Python package versions.
- D. When developing multiple Python projects in the same environment that have the same Python package version requirements.
- E. When creating a new project that has a clean development environment in a multi-project development system.

Answer: C,E

Explanation:

Python virtual environments should be used in cases where there are conflicting Python package versions across multiple projects (Option B) to ensure each project can have its own set of dependencies. Additionally, they are beneficial when starting a new project that requires a clean development environment (Option E), as it allows for a controlled setup without interference from other projects' dependencies. References := ( Automating Cisco Enterprise Solutions Official Cert Guide )

## NEW QUESTION # 77

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