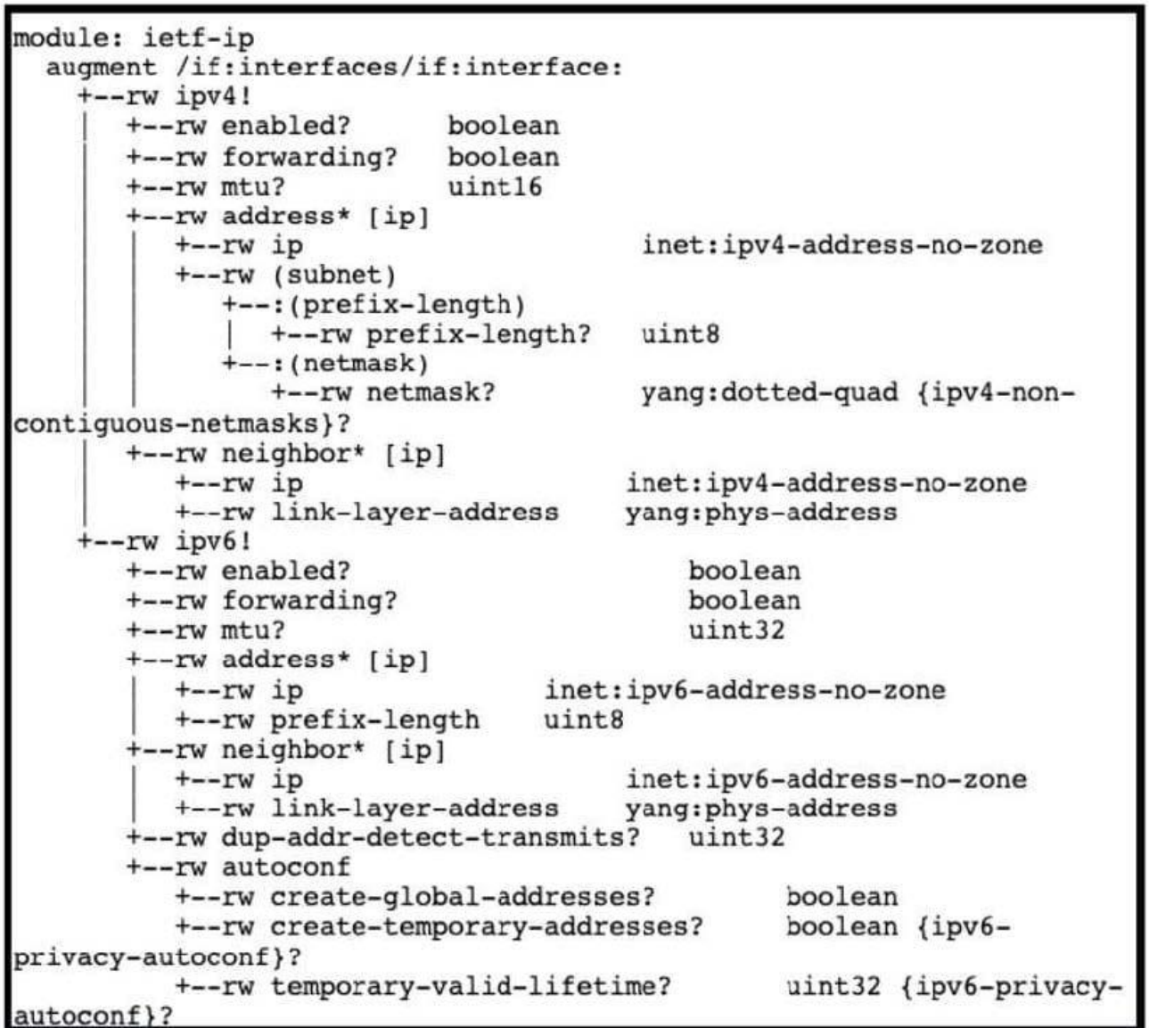
https://www.leads4pass.com/350-901.html

Vendor: Cisco
Exam Code: 350-901
Exam Name: Designing, Deploying, and Managing Network Automation Systems
Certification: Cisco Certified Automation Specialist - Core
Total Questions: 557 Q&A (View Details)
Updated on: Mar 17, 2026

Question 1:
DRAG DROP

Refer to the exhibit above and click on the resource tabs in the top left corner to view resources to help with this question. Drag and drop the correct code snippets from the left onto the item numbers on the right that match the missing sections in the exhibit to complete the cURL script that will use RESTCONF to update an interface on a CISCO IOS XE device.

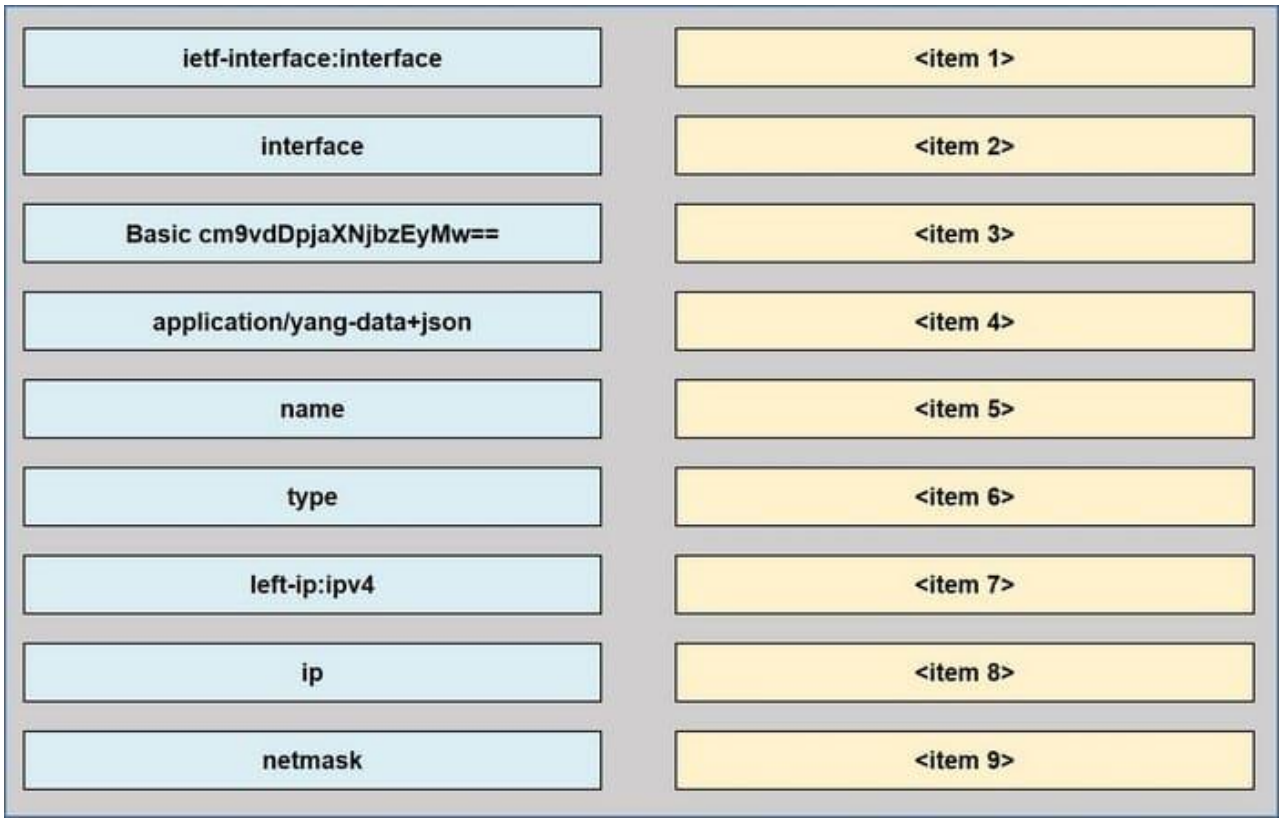


```
module: ietf-ip
  augment /if:interfaces/if:interface:
    +--rw ipv4!
    |  +--rw enabled?       boolean
    |  +--rw forwarding?    boolean
    |  +--rw mtu?           uint16
    |  +--rw address* [ip]
    |  |  +--rw ip                      inet:ipv4-address-no-zone
    |  |  +--rw (subnet)
    |  |     +--:(prefix-length)
    |  |     |  +--rw prefix-length?    uint8
    |  |     +--:(netmask)
    |  |        +--rw netmask?          yang:dotted-quad {ipv4-non-
contiguous-netmasks}?
    |  +--rw neighbor* [ip]
    |     +--rw ip                     inet:ipv4-address-no-zone
    |     +--rw link-layer-address     yang:phys-address
    +--rw ipv6!
       +--rw enabled?                      boolean
       +--rw forwarding?                   boolean
       +--rw mtu?                          uint32
       +--rw address* [ip]
       |  +--rw ip                inet:ipv6-address-no-zone
       |  +--rw prefix-length     uint8
       +--rw neighbor* [ip]
       |  +--rw ip                        inet:ipv6-address-no-zone
       |  +--rw link-layer-address        yang:phys-address
       +--rw dup-addr-detect-transmits?    uint32
       +--rw autoconf
          +--rw create-global-addresses?          boolean
          +--rw create-temporary-addresses?       boolean {ipv6-
privacy-autoconf}?
          +--rw temporary-valid-lifetime?         uint32 {ipv6-privacy-
autoconf}?
```

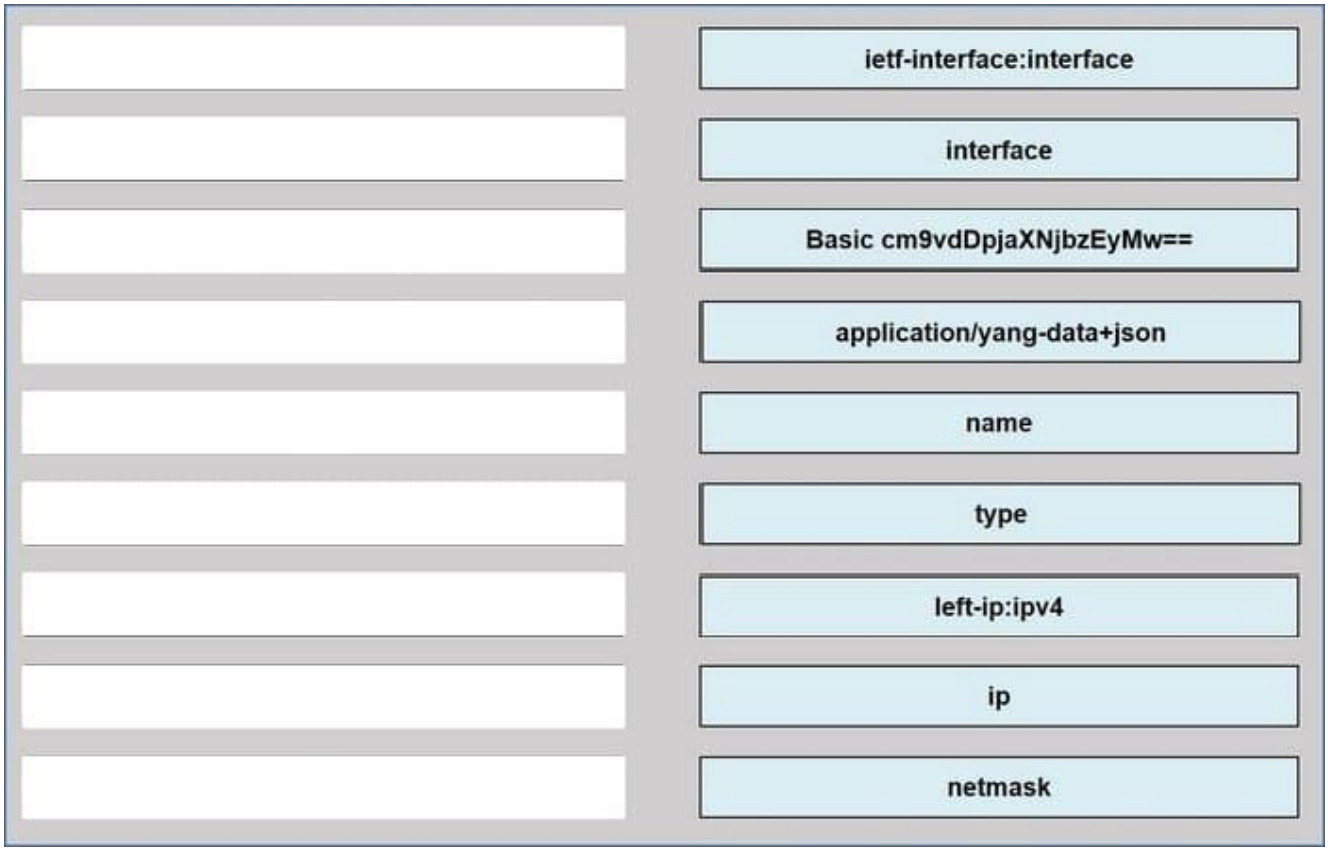
```
module: ietf-interfaces
  +--rw interfaces
  |  +--rw interface* [name]
  |     +--rw name                          string
  |     +--rw description?                  string
  |     +--rw type                          identityref
  |     +--rw enabled?                      boolean
  |     +--rw link-up-down-trap-enable?     enumeration {if-mib}?
  +--ro interfaces-state
     +--ro interface* [name]
        +--ro name                 string
        +--ro type                 identityref
        +--ro admin-status         enumeration {if-mib}?
        +--ro oper-status          enumeration
        +--ro last-change?         yang:date-and-time
        +--ro if-index             int32 {if-mib}?
        +--ro phys-address?        yang:phys-address
        +--ro higher-layer-if*     interface-state-ref
        +--ro lower-layer-if*      interface-state-ref
        +--ro speed?               yang:gauge64
        +--ro statistics
           +--ro discontinuity-time    yang:date-and-time
           +--ro in-octets?            yang:counter64
           +--ro in-unicast-pkts?      yang:counter64
           +--ro in-broadcast-pkts?    yang:counter64
           +--ro in-multicast-pkts?    yang:counter64
           +--ro in-discards?          yang:counter32
           +--ro in-errors?            yang:counter32
           +--ro in-unknown-protos?    yang:counter32
           +--ro out-octets?           yang:counter64
           +--ro out-unicast-pkts?     yang:counter64
           +--ro out-broadcast-pkts?   yang:counter64
           +--ro out-multicast-pkts?   yang:counter64
           +--ro out-discards?         yang:counter32
           +--ro out-errors?           yang:counter32
```

```
curl --location --request PUT 'https://ios-xe-
mgmt.cisco.com:9443/restconf/data/<item 1>/<item 2>=GigabitEthernet2' \
--header 'Authorization: <item 3>' \
--header 'Accept: <item 4>' \
--header 'Content-Type: application/yang-data+json' \
--data-raw '{
    "ietf-interfaces:interface": {
        "<item 5>": "GigabitEthernet2",
        "description": "Configured by RESTCONF",
        "<item 6>": "iana-if-type:ethernetCsmacd",
        "enabled": true,
        "<item 7>": {
            "address": [
                {
                    "<item 8>": "10.255.255.1",
                    "<item 9>": "255.255.255.0"
                }
            ]
        }
    }
}'
```

Select and Place:



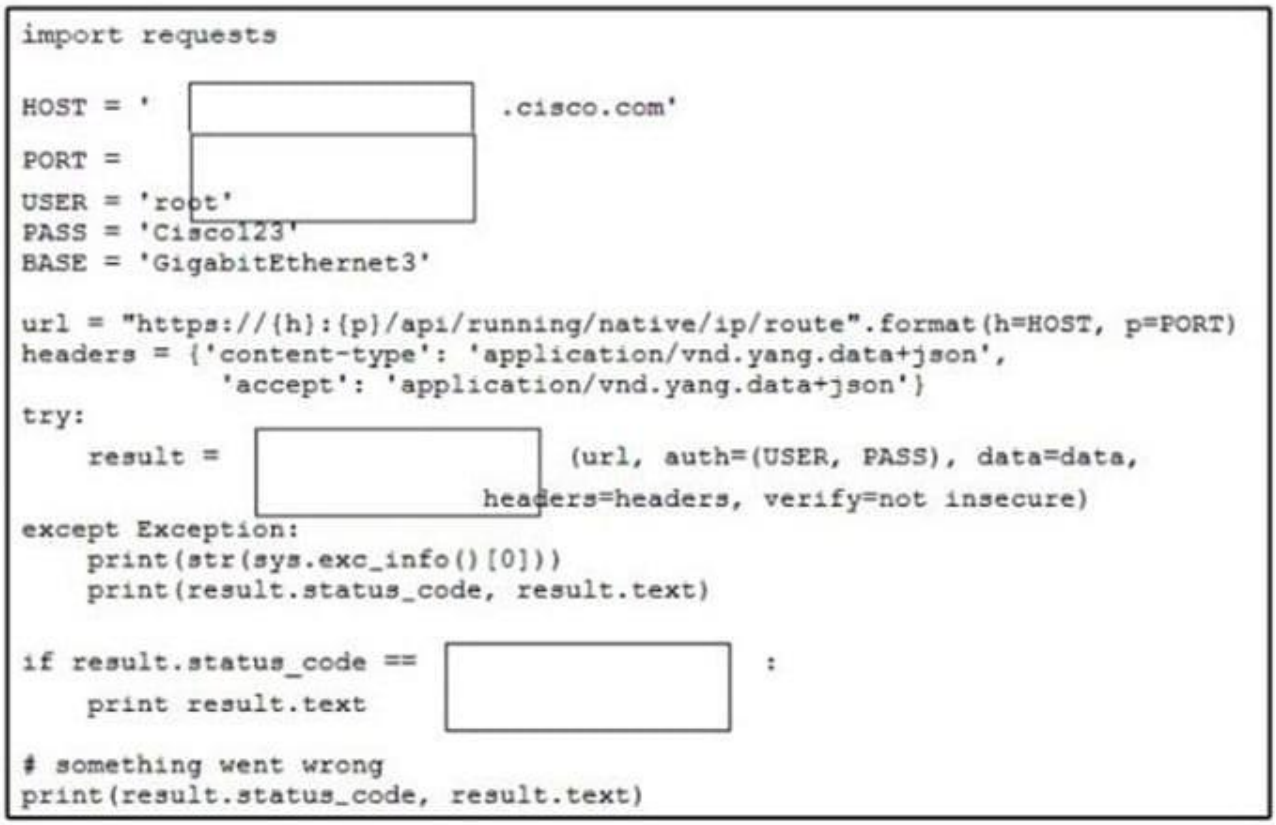
Correct Answer:



Question 2:
DRAG DROP

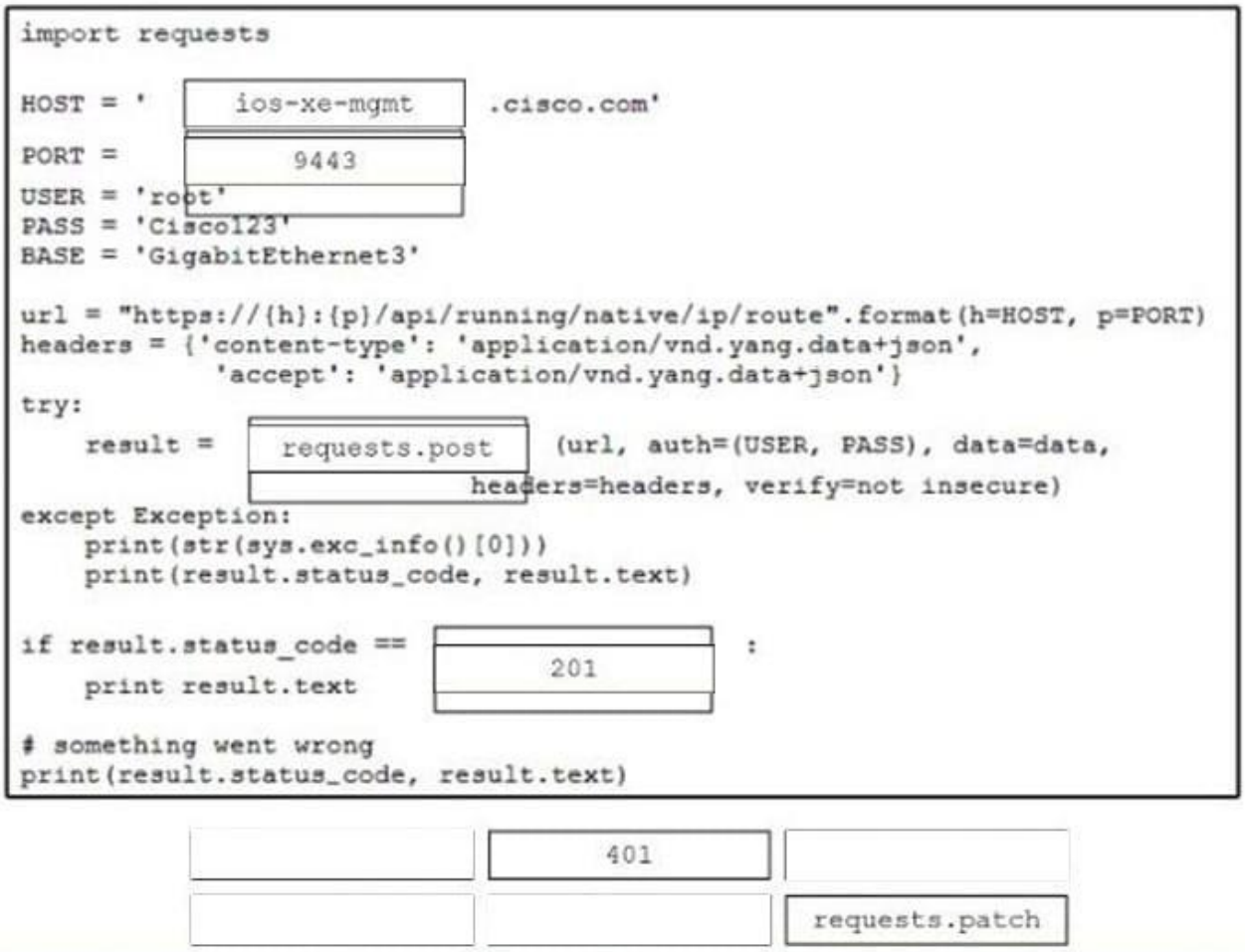
Drag and drop the code from the bottom onto the box where the code is missing to configure a router that runs Cisco IOS XE by using RESTCONF. The API call is made to the management URL of the IOS XE device and on a registered port number. Errors that are caught during HTTP operation are registered. Not all options are used.

Select and Place:



ios-xe-mgmt	401	requests.post
9443	201	requests.patch

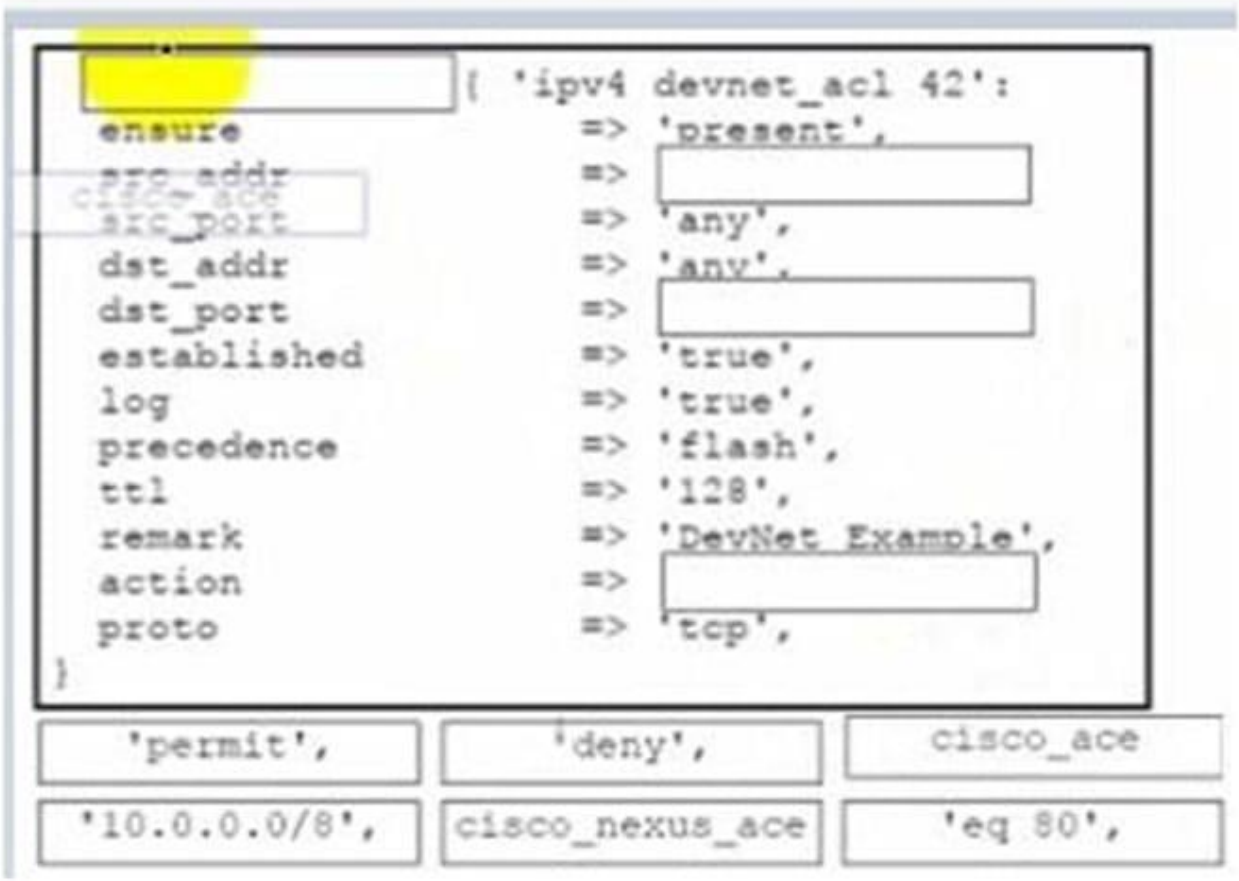
Correct Answer:



Question 3:
DRAG DROP

Drag and drop the code from the bottom onto the box where the code is missing to permit network traffic between 10.0.0.0/8 and all other networks on port 80 for a Cisco Nexus 9000 switch by using the Puppet module. Not all options are used.

Select and Place:



Correct Answer:

Question 4:

Refer to the exhibit.

```
import requests
import time
import json

class Connection:
    def __init__(self, config):
        self._config = config
        self._session = None
        self._retries = 0
        self._MAX_RETRIES = 12

    def _setupSession(self):
        self._retries = 0
        if self._session is None:
            self._session = requests.Session()
        return

    def get(self, url, params=None):
        self._setupSession()
        resp = self._session.get(self._config.host + url, verify=False, params=params)
        if resp.status_code == 200:
            return json.loads(resp.content.decode('utf-8'))
            [                                              ]
            self._retries += 1
            exp_backoff = (2**(self._retries+3))/1000
            time.sleep(exp_backoff)
            self.get(url=url, params=params)
        return resp
```

A network engineer must integrate error handling tor time-outs on network devices using the REST interface. Which line of code needs to be placed on the snippet where the code is missing to accomplish this task?

A. elif resp.status_code == 429 or serf._retries < selff._MAX_RETRIES:

B. elif resp.status_code == 404 or self, retries < self._MAX_RETRIES:

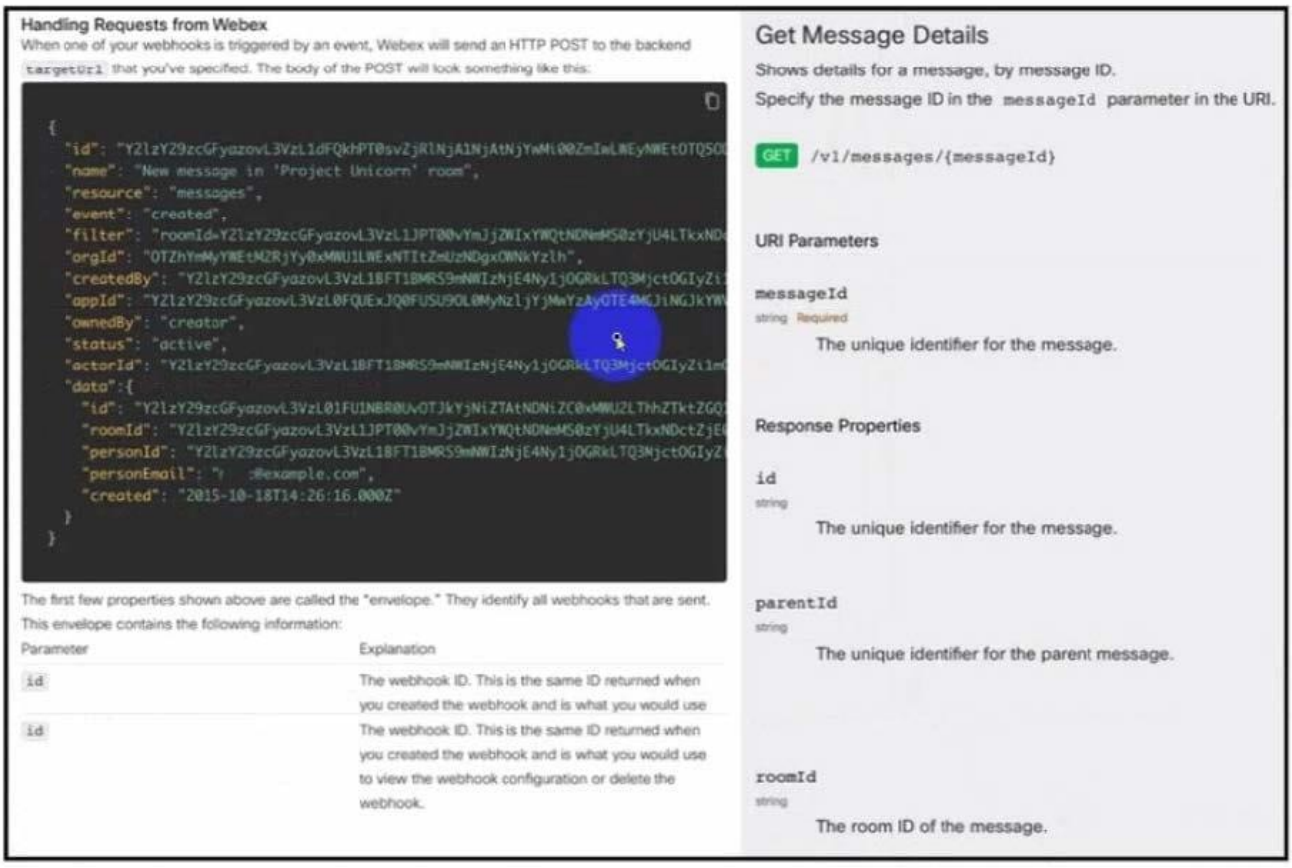
C. elif resp.status_code == 429 and self .retries < self._MAX_RETRIES:

D. elif resp.status_code == 404 and self._relries < self._MAX_RETRIES:

Correct Answer: C

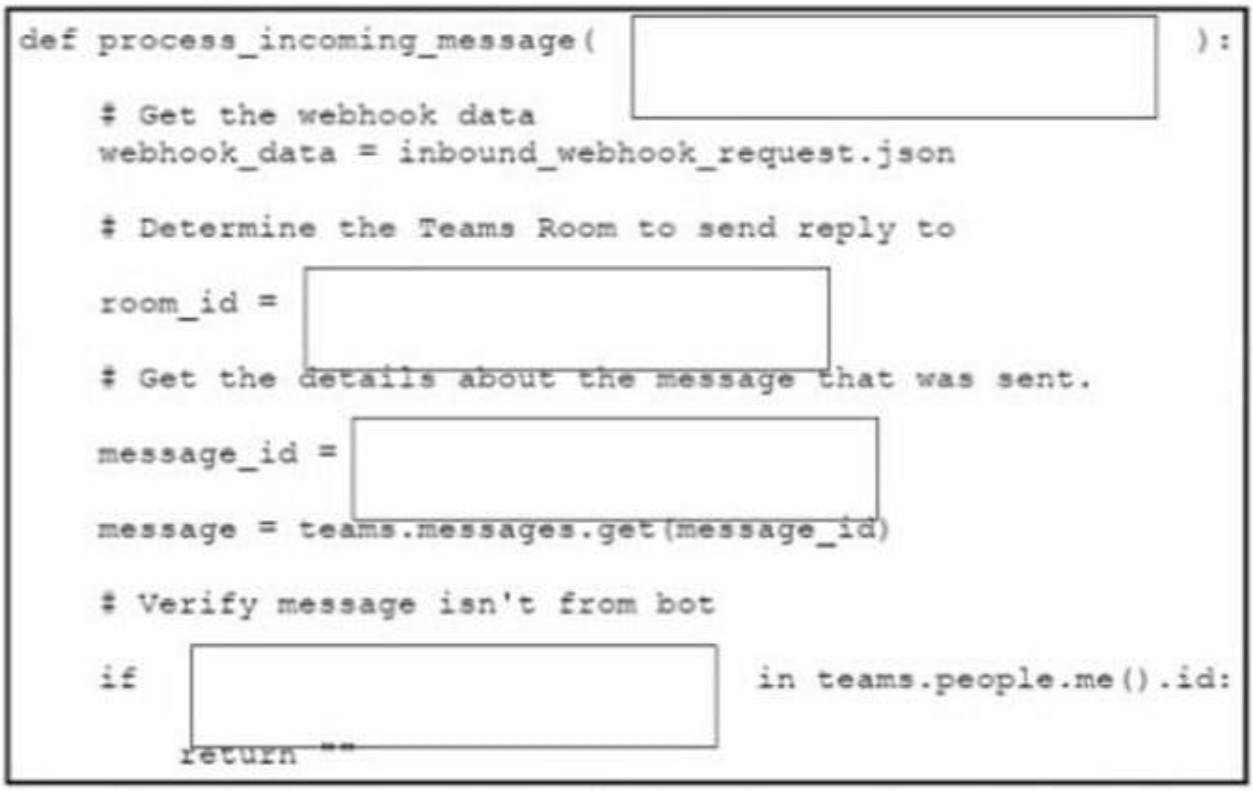
Question 5:
DRAG DROP

Refer to the exhibit.



Drag and drop the code from the bottom onto the box where the code is missing to complete the API request. An engineer is using this API request to implement Chat-Ops to generate notifications m a Webex space by using webhooks. Not all options are used.

Select and Place:



inbound_webhook_request	webhook_data["data"]["id"]
webhook_data["data"]["roomId"]	message.personId
webhook_data["roomId"]	message.toPersonId

Correct Answer:

Question 6:

Which load balancing algorithm balances load based on the active sessions of a node?

A. weighted round-robin

B. IP source affinity

C. least connections

D. sticky session

Correct Answer: C

Question 7:

A web application is being developed to provide online sales to a retailer. The customers will need to use their username and passwords to login into then profile and complete their order For this reason the application must store user

passwords.

Which approach ensures that an attacker wifi need to crack the passwords one at a time?

A. Apply the peppering technique

B. Store the passwords by using asymmetric encryption

C. Apply the salting technique

D. Store the passwords by using symmetric encryption

Correct Answer: C

Question 8:
Refer to the exhibit.

```
apiVersion: v1
clusters:
- cluster:
    certificate-authority: fake-ca-file
    server: https://1.2.3.4
  name: development
- cluster:
    insecure-skip-tls-verify: true
    server: https://5.6.7.8
  name: scratch
contexts:
- context:
    cluster: development
    namespace: frontend
    user: developer
  name: dev-frontend
- context:
    cluster: development
    namespace: storage
    user: developer
  name: dev-storage
- context:
    cluster: scratch
    namespace: default
    user: experimenter
  name: exp-scratch
current-context: ""
kind: Config
preferences: {}
users:
- name: developer
  user:
    client-certificate: fake-cert-file
    client-key: fake-key-file
- name: experimenter
  user:
    password: some-password
    username: exp
```

A kubeconfig file to manage access to clusters is provided. How many clusters are defined and which of them are accessed using username/password authentication versus certificate?

A. two clusters; scratch

B. three clusters; scratch

C. three clusters; development

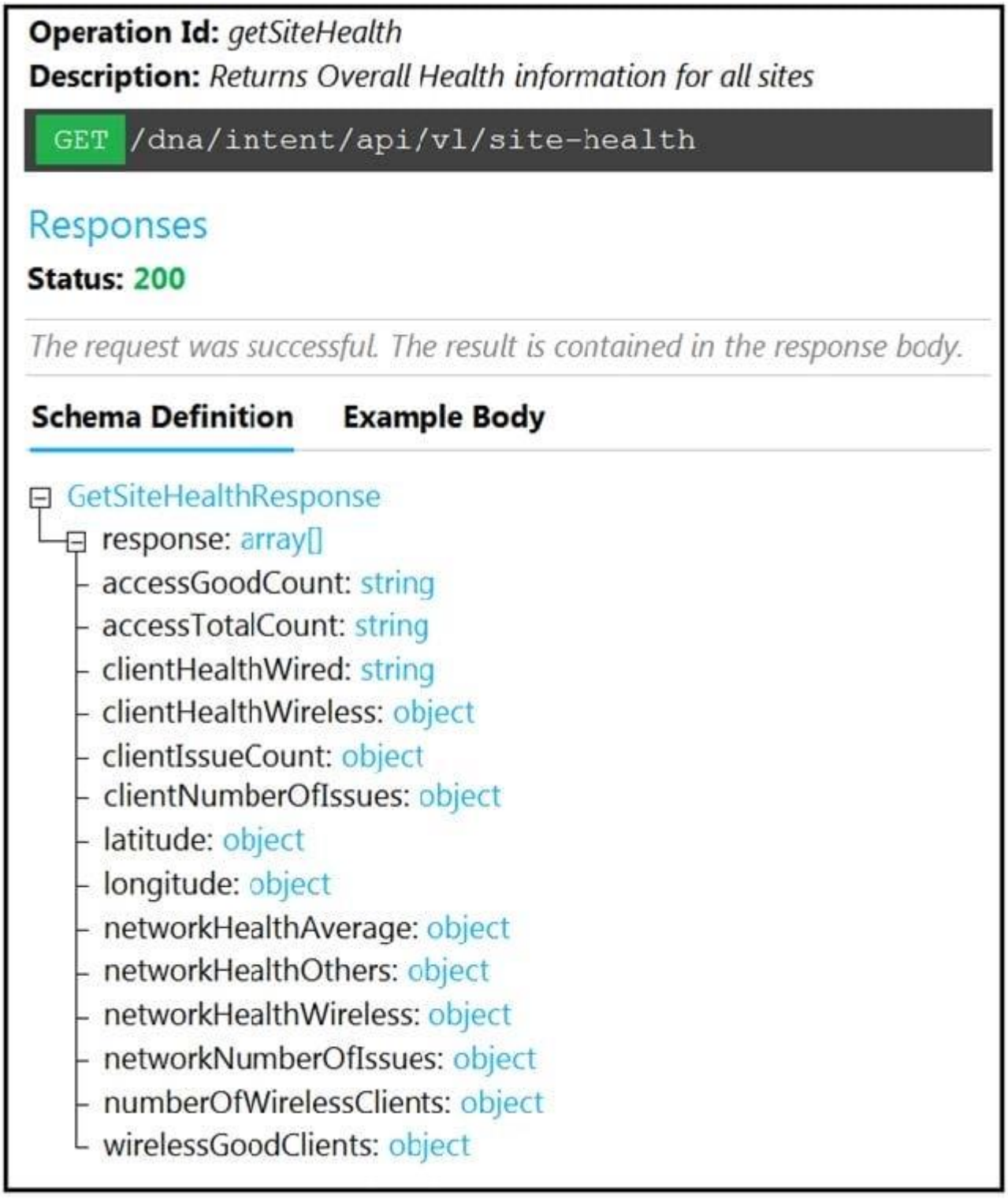
D. two clusters; development

Correct Answer: A

Question 9:

DRAG DROP

Refer to the exhibit. A developer is creating a Python script by using Cisco DNA Center APIs. Drag and drop the code from the bottom onto the box where the code is missing in the Python script to retrieve and display wireless health information for each site. Not all options are used.



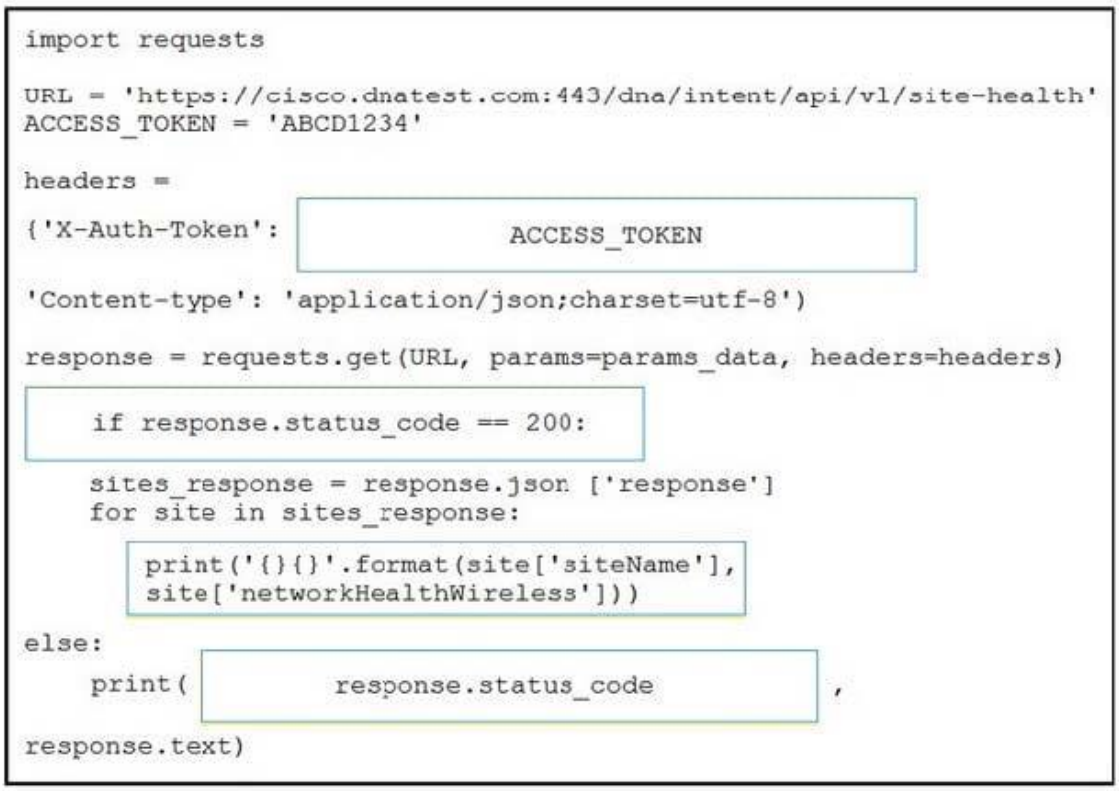
Select and Place:

```
import requests

URL = 'https://cisco.dnatest.com:443/dna/intent/api/v1/site-health'
ACCESS_TOKEN = 'ABCD1234'

headers =
{'X-Auth-Token':

'Content-type': 'application/json;charset=utf-8')

response = requests.get(URL, params=params_data, headers=headers)

    sites_response = response.json ['response']
    for site in sites_response:

else:
    print(                                          ,
response.text)
```

response.status_code	ACCESS_TOKEN
print(site['siteName'][0] ['networkHealthWireless'])	if response.status_code == 200:
response.error	while response.code == 200:

```
print('{}{}'.format(site['siteName'],
site['networkHealthWireless']))
```

Correct Answer:



Question 10:
A developer deploys a SQLite database in a Docker container. Single-use secret keys are generated each time a user accesses the database. The keys expire after 24 hours. Where should the keys be stored?

A. Outside of the Docker container in the source code of applications that connect to the SQLite database.

B. In a separate file inside the Docker container that runs the SQLite database.

C. In an encrypted database table within the SQLite database.

D. In a separate storage volume within the Docker container.

Correct Answer: D

Question 11:
FILL BLANK

A local Docker image has an image ID of 386231131. Fill in the blanks to complete the command in order to tag the image into the "cisco" repository with "version1 0\"'.

Correct Answer: See explanation below

$docker tag 386231131 cisco/386231131:version1.0

Question 12:
Which Puppet manifest needs to be used to configure an interface GigabitEthernet 0/1 on a Cisco IOS switch?

A.

```
ios_interface {
     name                              => 'GigabitEthernet0/1',
     link_status                       => false,
     logging_event                     => [
          'spanning-tree',
          'subif-link-status'
     ],
     logging_event_link_status         => false,
     ip_dhcp_snooping_trust            => true,
     ip_dhcp_snooping_limit            => 1500,
}
```

B.

```
ios_interface {
     'GigabitEthernet0/1'              => {
       link_status                     => false,
       logging_event                   => [
          'spanning-tree',
          'subif-link-status'
     ],
     logging_event_link_staus          => false,
     ip_dhcp_snooping_trust            => true,
     ip_dhcp_snooping_limit            => 1500,
     }
}
```

C.

```
ios_interface {
     id                                => 'GigabitEthernet0/1',
     link_status                       => false,
     logging_event                     => [
          'spanning-tree',
          'subif-link-status'
     ],
     logging-event_link_status         => false,
     ip_dhcp_snooping_trust            => true,
     ip_dhcp_snooping_limit            => 1500,
}
```

D.

```
ios_interface      { 'GigabitEthernet0/1':
     link_status                       => false,
     logging_event                     => [
          'spanning-tree',
          'subif-link-status'
     ],
     logging_event_link_status         => false,
     ip_dhcp_snooping_trust            => true,
     ip_dhcp_snooping_limit            => 1500,
}
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

https://github.com/puppetlabs/cisco_ios/blob/main/examples/network_interface.pp

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Question 13:
Which data encoding format uses gRPC by default for serializing structured sets of information?

A. JSON

B. YAML

C. Protobuf

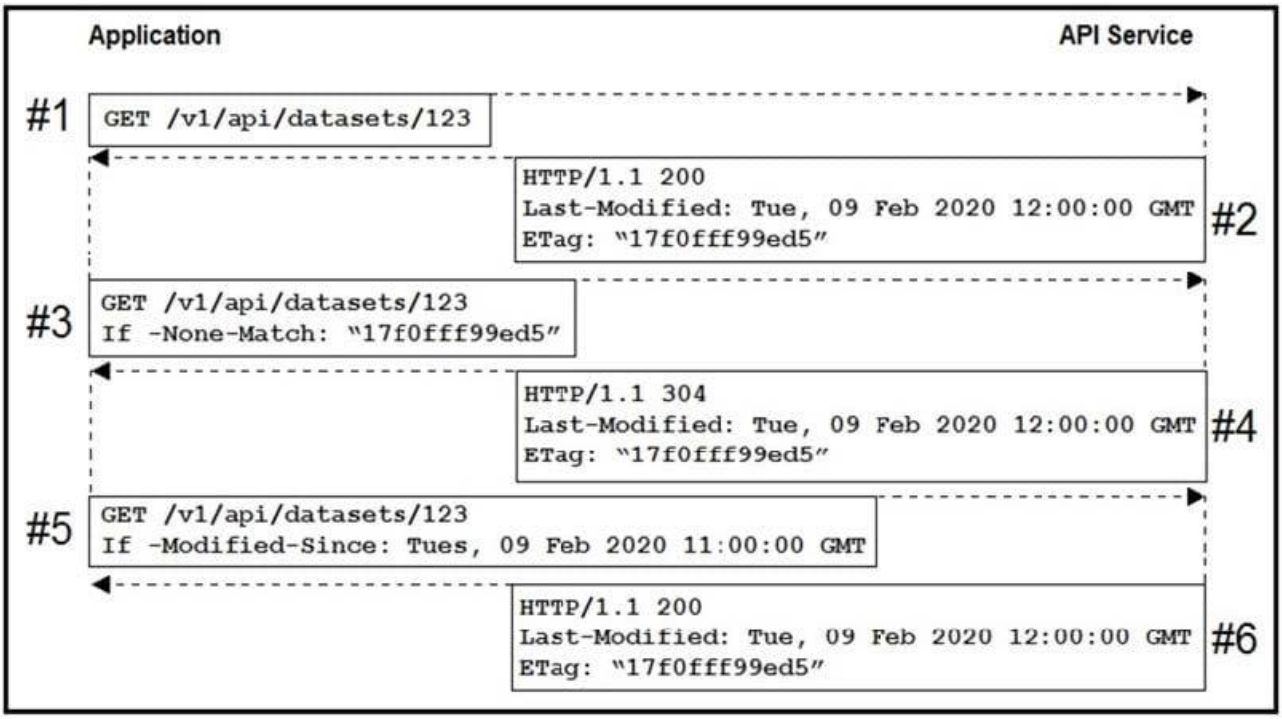
D. XML

Correct Answer: C

Explanation: The data encoding format used by gRPC by default is Protobuf.

Question 14:

Refer to the exhibit.



An application uses an API to periodically sync a large data set. Based on the HTTP message sequence provided, which statements are true about the caching behavior seen in the scenario? (Choose two.)

A. The full dataset was transmitted to the client twice.

B. The dataset changed sometime between message #4 and #5.

C. A partial dataset was transmitted to the client in message #4.

D. The dataset did not change during the scenario.

E. Messages #3 and #5 are equivalent.

Correct Answer: AD

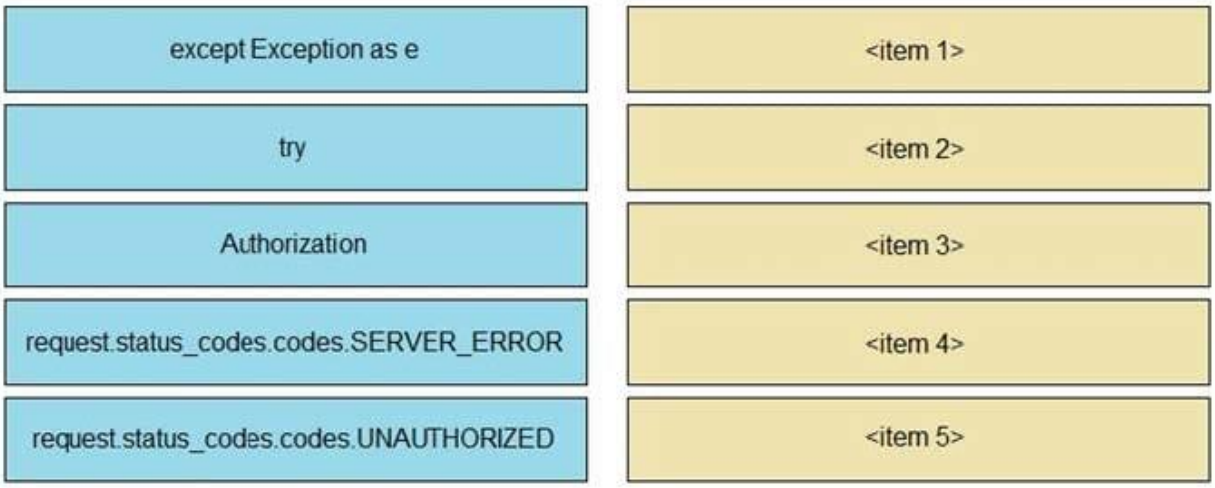
Question 15:
DRAG DROP

```
import request
import json
import sys

token = ""

def get_dnac_devices():
     <item 1>:
          url = "https://sanboxdnac.cisco.com/dna/intent/api/v1/network-device"

          print(token)
          payload = {}
          headers = {
          'Content-Type': 'application/json',
          "Accept": 'application/json',
          'x-auth-token': token
          }

          response = requests.request("GET", url, headers=headers, data = payload)
          response.raise_for_status()
          return response.text

     <item 2>:
          print(e)
          if str(<item 3>) in str(e):
             create_dnac_token()

def create_dnac_token():
     try:
          url = "https://sanboxdnac.cisco.com/dna/system/api/v1/auth/token"

          payload = {}
          headers ={
          '<item4>': 'Basic ZGV2bmV0dXNlcjpDaXNjbzEyMyE=',
          'Content-Type': 'application/json'
          }

          response = requests.request("POST", url, headers=headers, data = payload)
          response.raise_for_status()
          return response.json()["Token"]
     except Exception as e:
          print(e)
          if str(<item 5>) in str(e):
               sys.exit("DNAC Service is not reachable")

if ____name____ == "___main____":
     token = create_dnac_token()
     print(get_dnac_devices())
```

Refer to the exhibit. Drag and drop the code snippets from the left onto the item numbers on the right that match the missing sections in the exhibit to complete the script to implement control flow.

Select and Place:

Answer Area



Correct Answer:

Answer Area