

- **Vendor:** Juniper
- **Exam Code:** JN0-222
- **Exam Name:** Automation and DevOps, Associate
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**Question: 1**

Which statement is correct about YAML?

- A. YAML strings must have quotation marks.
- B. YAML is not case-sensitive.
- C. YAML files must start
- D. YAML uses spaces for indentation

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**Answer: A**

---

Explanation:

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**Question: 21**

Exhibit.

**Exhibit**

```
<rpc-reply xmlns:junos="http://xml.juniper.net/junos/20.1R0/junos">
  <configuration junos:commit-seconds="1580766004" junos:commit-localtime="2020-02-03 21:40:04 UTC" junos:commit-user="lab">
    <interfaces>
      <interface>
        <name>fxp0</name>
        <unit>
          <name>0</name>
          <family>
            <inet>
              <address>
                <name>172.25.11.1/24</name>
              </address>
            </inet>
          </family>
        </unit>
      </interface>
    </interfaces>
  </configuration>
</rpc-reply>
```

In the XML output shown in the exhibit, what is the full XPath for the IP address of the interface?

A)

/interfaces/interface/unit/family/inet/address

B)

/configuration/interface/unit/family/inet/address

C)

/interface/unit/family/inet/address

D)

/configuration/interfaces/interface/unit/family/inet/address/name

A. Option A

B. Option B

C. Option C

D. Option D

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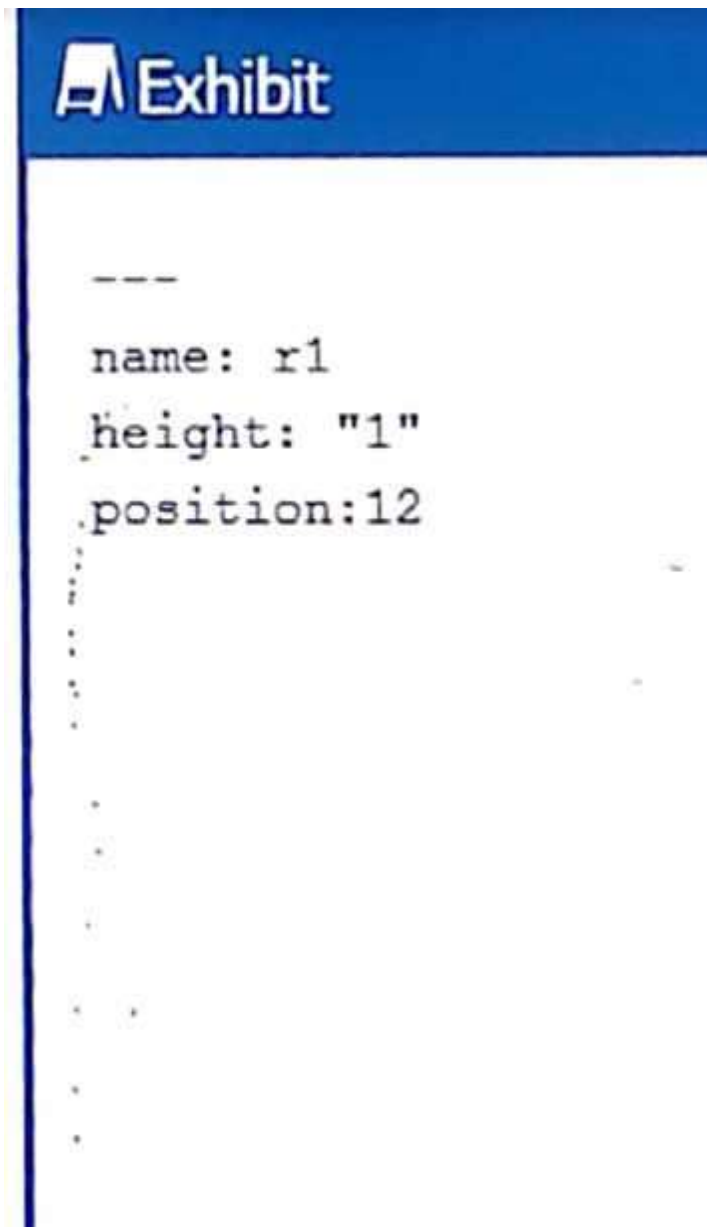
**Answer: D**

---

Explanation:

**Question:22**

Exhibit.



Which type of data maps to the position key shown in the exhibit?

- A. position
- B. Boolean
- C. string
- D. integer

**Answer: A**

Explanation:

**Question:23**

Which cur1 command will successfully retrieve interface information from a Juniper device?

- A. cur1 -"lab:lab123" <http://10.200.1.1:3000/rpc/get-interface-information> -X GET
- B. cur1 -"lab:lab123" <http://10.200.1.1:3443/rpc/get-interface-information> -X POST
- C. cur1 -"lab:lab123" <http://10.200.1.1:3443/rpc/get-interface-information> -X POST
- D. cur1 -"lab:lab123" <http://10.200.1.1:8443/rpc/get-interface-information> -X GET

---

**Answer: B**

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Explanation:

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**Question: 24**

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You are creating a JSON data structure and must add a title called, The "Big" Router. In this scenario, which example will produce the desired results?

- A. {"title": ""The "Big" Router""}
- B. {"title": "The\nBig\n" Router"}
- C. {"title": "The \"Big\" Router"}
- D. {"title": "The \"\"Big\"\" Router"}

---

**Answer: C**

---

Explanation:

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**Question: 25**

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Which code format is a valid example of an HTTPS get-interface-information method using the default port?

- A. <https://172.25.11.1:3443/get-interface-information>
- B. <https://172.25.11.1:3443/api/get-interface-information>
- C. <https://172.25.11.1:3443/rpc/get-interface-information>
- D. <https://172.25.11.1/api/get-interface-information:3443>

---

**Answer: C**

---

Explanation:

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**Question: 26**

---

Which two statements are correct about Junose PyEZ Tables and Views? (Choose two.)

- A. PyEZ Tables and Views are defined using CSV.
- B. The Juniper\_Junos\_config module enables the use of PyEZ Tables and Views.
- C. The juniper\_junos\_table module enables the use of PyEZ Tables and Views.
- D. PyEZ Tables and Views are defined using YAML.

---

**Answer: B, D**

---

Explanation:

---

**Question: 27**

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In the PyEZ utils module, which class would be used to begin the software upgrade process on a Junos device?

- A. SW
- B. FS
- C. SCP
- D. Config

---

**Answer: C**

---

Explanation:

---

**Question: 28**

---

Exhibit.

**Exhibit**

```
#!/usr/bin/python

from jnpr.junos import Device
from jnpr.junos.utils.config import Config
from time import sleep

Device("172.25.11.1", user="lab", passwd="lab123")
dev.open()
conf = Config(dev)
print("Disabling the interface...")
conf.lock()
conf.load("set interfaces ge-0/0/0 disable", format="set")
conf.pdiff()
conf.commit()
print("Commit complete, waiting...")
conf.unlock()
dev.close()
```

Referring to the exhibit, which two statements are correct? (Choose two)

- A. The Junos configuration database is automatically locked and unlocked.
- B. The connection to the Junos device is explicitly opened and closed
- C. The connection to the Junos device is automatically opened and closed
- D. The Junos configuration database is explicitly locked and unlocked

---

**Answer: A, D**

---

Explanation:

---

**Question: 29**

---

Exhibit.

**Exhibit**

```
<configuration junos:commit-seconds="1527627115" junos:commit-localtime="2013:51:55 PDT" junos:commit-user="user">
  <version>20.1R1.10</version>
  <system>
    <host-name>R1</host-name>
    <root-authentication>
      <encrypted-password>$1SYzcXG9Fv$Xj/iixrMtLu59xyCfU8wT.</encrypted-password>
    </root-authentication>
    [...]
  </system>
  <routing-options>
    <autonomous-system>
      <as-number>65113</as-number>
    </autonomous-system>
  </routing-options>
  [...]
</configuration>
```

You are making alternations to an existing script to retrieve the encrypted root password from the Junos device shown in the exhibit. You decide to add this request to the script after the script has navigated to the configuration/system hierarchy.

In this scenario, which XPath reference should be used to accomplish this task

- A. encrypted-password
- B. configuration/version/system/host-name/root-authentication/encrypted-password
- C. root-authentication/encrypted-password
- D. host-name/root-authentication/encrypted-password

---

**Answer: B**

---

Explanation:

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**Question: 30**

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What are two datastructures in JSON? (Choose two.)

- A. object
- B. number
- C. string
- D. array

---

**Answer: C, D**

---

Explanation:

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**Question: 31**

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As part of an application to manage network devices, you must query hundreds of network devices and return the unique set of IP prefixes by configured firewall filters. To accomplish this task you will

require a mutable data type that contains unordered, unique elements. Which Python data type will fulfill these requirements?

- A. tuples
- B. lists
- C. dictionaries
- D. sets

---

**Answer: D**

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Explanation:

<https://stackoverflow.com/questions/14193438/are-python-sets-mutable/14193582>

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**Question:32**

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Which two Junos processes handle automation on Junos devices? (Choose two.)

- A. mgd
- B. chassisd
- C. rpd
- D. jsd

---

**Answer: A**

---

Explanation:

---

**Question:33**

---

Exhibit.



**Exhibit**

```
<rpc-reply xmlns:junos="http://xml.juniper.net/junos/20.1R1">
  <software-information>
    <host-name>router</host-name>
    <product-model>mx240</product-model>
    <product-name>mx240</product-name>
    <junos-version>20.1R1.10</junos-version>
    <package-information>
      <name>os-kernel</name>
      <comment>JUNOS OS Kernel 64-bit
[20200219.fb120e7_builder_stable_11]</comment>
    </package-information>
    <package-information>
      <name>os-libs</name>
      <comment>JUNOS OS libs
[20200219.fb120e7_builder_stable_11]</comment>
    </package-information>
    <package-information>
      <name>os-runtime</name>
      <comment>JUNOS OS runtime
[20200219.fb120e7_builder_stable_11]</comment>
    ...
  </software-information>
</rpc-reply>
```

Which command produces the output shown in the exhibit?

- A. user@router>show version | display json
- B. user@router>show version | display xml
- C. user@router#show version | display xzil
- D. user@router>show version | display xml rpc

---

**Answer: B**

---

Explanation:

---

**Question: 34**

---

Exhibit.

**Exhibit**

```
...
tasks:
  - name: Load the configuration
    juniper_junos_config:
      user: "{{ USERNAME }}"
      passwd: "{{ DEVICE_PASSWORD }}"
      config_mode: exclusive
      load: replace
      lines:
        - <configuration>
          - <system>
            - <host-name replace="replace">{{ host_name }}</
name>
          - </system>
          - </configuration>
      format: xml
      commit: true
      register: response

  - name: Print the config diff
    debug:
      var: response.diff_lines
```

Referring to the exhibit, which two statements are correct? (Choose two.)

- A. The module in the first task is maintained by Juniper.
- B. The module in the first task is maintained by Ansible.
- C. The Ansible play in the exhibit modifies and outputs the device hostname.
- D. The Ansible play in the exhibit outputs but does not modify the device hostname.

**Answer: A, D**

Explanation:

**Question: 35**

PyEX supports which three connection methods? (Choose three.)

- A. NETCONF
- B. Telnet
- C. console
- D. REST
- E. RESTCONF

---

**Answer: A, B, C**

---

Explanation:

---

**Question:36**

---

Exhibit

```
---
- name: "Get Junos OS configuration."
  hosts: junos-all
  roles:
    - Juniper.junos
  connection: local
  gather_facts: no

  tasks:
    - name: "Get configuration"
      juniper_junos_config:
        retrieve: "committed"
        filter: "system/services"
        dest_dir: "{{ playbook_dir }}"
```

Referring to the exhibit, what will be two results of this playbook before saving it to a file? (Choose two.)

- A. retrieve the committed configuration
- B. to include only the system/services
- C. to include everything but the system/services
- D. to retrieve the candidate configuration

---

**Answer: A, B**

---

Explanation:

---

**Question:37**

---

Exhibit.

```
#!/usr/bin/python

from jnpr.junos import Device

if __name__ == '__main__':
    dev = Device(host='172.25.11.1', user='lab', passwd='1')
    dev.open()
    route_lxml_element = dev.rpc.get_route_information(tal
    list_of_routes = route_lxml_element.findall('.//rt')
    for route in list of routes:
        print ("Route: {} Protocol: {}".format(route.find(
destination').strip(), route.findtext('rt-entry/protocol-
name').strip()))
    dev.close()
```

What is the function of the .// syntax in the code shown in the exhibit?

- A. to return a tree of data from the text
- B. to perform a recursive search at all levels
- C. to format the output as rich text
- D. to perform the return function

---

**Answer: B**

---

Explanation:

---

**Question:38**

---

What are two examples of XPath operators? (Choose two.)

A.



---

**Answer: A, B**

---

- B. @
- C. AND
- D. IS

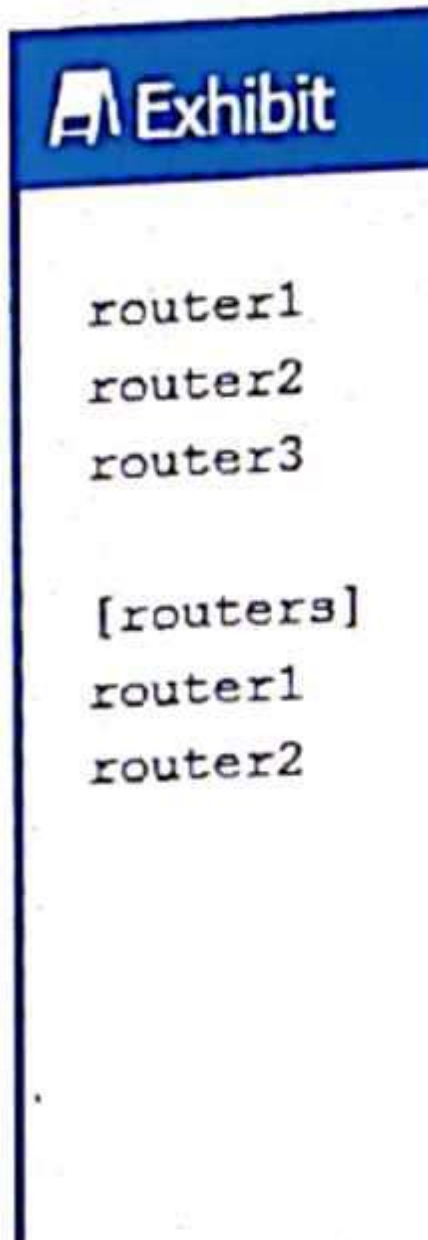
Explanation:

---

**Question:39**

---

Exhibit.



Referring to the exhibit, which statement about the Ansible host file is correct?

- A. All routers are part of the routers group.
- B. router1 and router2 are excluded from the routers group.
- C. router1 and router2 are included in the routers group.
- D. Only router3 is included in the routers group

---

**Answer: C**

---

Explanation:

---

**Question:40**

---

An Ansible playbook executes which type of module?

- A. YAML
- B. Python
- C. SaltStack
- D. Puppet

---

**Answer: A**

---

Explanation:

---

**Question:41**

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You are a programmer currently developing code on a Linux device. You want to start the Python interactive interpreter (shell) from the command prompt. Which command must be used to accomplish this task?

- A. bash\$ python
- B. bash\$ pip
- C. bash\$ ./\_init\_.py
- D. bash\$ sh

Explanation: