

What Linux command is used to display the contents of the current directory?

- pwd
- cat
- ln
- **ls**

1. What command is used to rename a file in a Linux system?

- **mv**
- dd
- cp
- rm

2. A user issues a Linux command and the result is shown.

```
total 40
drwxr-xr-x 2 devasc devasc 4096 Apr 15
19:09 Videos
drwxr-xr-x 2 devasc devasc 4096 Apr 15
19:09 Templates
drwxr-xr-x 5 devasc devasc 4096 Mar 30
21:24 snap
drwxr-xr-x 2 devasc devasc 4096 Apr 15
19:09 Public
drwxr-xr-x 2 devasc devasc 4096 Apr 15
19:09 Pictures
drwxr-xr-x 2 devasc devasc 4096 Apr 15
19:09 Music
drwxr-xr-x 5 devasc devasc 4096 Mar 30
21:21 labs
drwxr-xr-x 2 devasc devasc 4096 Apr 15
19:09 Downloads
drwxr-xr-x 2 devasc devasc 4096 Apr 15
19:09 Documents
drwxr-xr-x 2 devasc devasc 4096 Mar 30
21:25 Desktop
devasc@labvm:~$
```

Which Linux command is used to display the contents of the current directory as shown?

- ls -l
- ls -a
- **ls -lr**
- ln

3. A system administrator of a Linux server is searching the passwd file for the username taylor that appears at the beginning of the line. Which grep command should the administrator use?

- grep taylor /etc/passwd
- grep '.taylor' /etc/passwd
- **grep '^taylor' /etc/passwd**
- grep '[taylor]' /etc/passwd

4. A user issues the apt-get upgrade command to update system files in a Ubuntu Linux system and receives an error message of "permission denied." What should the user do to complete the task?

- Issue the allow apt-get upgrade command.
- Issue the sudo apt-get install command.
- Issue the apt-get install -allow command.
- **Issue the sudo apt-get upgrade command.**

5. What type of learner should take the DevNet Associate course?

- anyone that does not like working in teams and is a software developer
- **anyone interested in network automation and programmability**
- only new network engineers
- only new software developers

6. What is contained within a DevNet Sandbox?

- a collection of self-paced tutorials using REST APIs
- instructor-led videos focusing on hands-on exercises
- a collection of Cisco developer API documentation
- **a preconfigured environment already installed with Cisco platforms**

7. Which two DevNet resources are available online? (Choose two.)

- Python Exchange
- API Tokens
- DevNet Zone
- **Automation Exchange**
- **Code Exchange**

8. Which DevNet resource would a developer use if the developer is using a Cisco API and needs help understanding the error message received?

- **DevNet Support**
- DevNet Learning Labs
- Code Exchange
- DevNet Sandbox

9. What is Cisco DevNet?

- a Cisco-proprietary virtual network
- a way to create networks using software alone
- **a developer program**
- a vendor-neutral type of virtual networking

10. What is required in order to ensure that clients are able to talk to applications that are outside a local system?

- an application
- **a network**

- an API
- a script

11. What is the purpose of the Cisco DevNet Learning Labs?

- They allow participants to add their own labs as long as the labs relate to any type of coding.
- They allow participants to add their own Python labs.
- **They provide self-paced tutorials including coding.**
- They provide a space for game development, interaction, and learning based on coding.

12. What is a requirement when creating a Cisco DevNet account for accessing educational resources, such as Learning Labs and the DevNet Sandbox?

- The account holder must share personally created code before access is allowed.
- The account must contain a purchased license.
- The account must be registered using a Cisco email address.
- **The account must be created using an existing online identity or via a new Cisco account.**

13. Which DevNet event is provided by Cisco partners and Cisco offices?

- **DevNet Express**
- DevNet Learn In
- DevNet Hackathon
- DevNet Codearama

14. Which website provides the entry point for Cisco DevNet?

- devnet.com
- cisco.com
- **developer.cisco.com**
- talosintelligence.com

15. What is network programmability?

- the ability to easily monitor network devices using traditional network protocols
- the ability to program network devices using repetitive manual configuration via a terminal and command sets
- **the ability to configure, monitor, and react to events in the network in real time**
- the ability to configure virtualized networks and deploy virtualized services in real time

16. What is the purpose of Cisco DevNet?

- to be the central resource for everything about networking at Cisco
- **to teach everyone about the different Cisco API offerings and how to use them**
- to teach specific coding courses such as advanced Python and implementing REST APIs
- to be the central resource for advanced software developers and the use of Cisco APIs

17. What are two benefits of using APIs and integrations between applications? (Choose two.)

- Integrations are used to verify compatibility between different applications.

- Integrations enable the applications to run a Docker instance using Hyper-V.

- Integrations enable the applications to be installed on any operating system type.

- **Integrations are used to provide applications the ability to notify each other when a specific event happens.**

- **Integrations enable the applications to request actions from each other.**

18. What is the contracted response time after a developer opens a case-based ticket with the DevNet support service?

- one week
- five business days
- one hour
- **one business day**

19. Which Cisco DevNet developer support option provides 1-on-1 support to the members of the Solution Partner program?

- **case-based ticket**
- community forum
- knowledge base
- chat with DevNet

20. Which technology trend enables an industry shift towards automation, applications, and integrations?

- smaller and faster CPUs
- **advanced API capabilities**
- increased storage and RAM
- increased internet connection bandwidth

21. What resources are available in the Cisco DevNet sandboxes?

- self-paced tutorials that cover a wide range of automation and integration topics
- support for developer-related issues through the use of forums and live chats
- a repository of sample code written by developers
- **production-like development and code testing environments**

22. Which link is used from the Cisco DevNet Learning Labs to access the largest collections of labs?

- Sections
- Modules
- Bookends
- **Tracks**

23. Which Cisco DevNet online resource provides use cases for network automation, including listing data and activating policies across domains?

- **Automation Exchange**
- DevNet Learning Labs
- DevNet Sandbox
- Code Exchange

24. What are two requirements when participating in the DevNet Learning Labs? (Choose two.)

- **The user must successfully log in with a DevNet account.**
- The user must have successfully passed the 200-901 DEVASC exam.
- **The user must have an active internet connection.**
- The user must have purchased the DevNet Learning Labs activation license.

- The user must install a developer environment on a local computer.

25. What are three major areas that comprise DevNet? (Choose three.)

- on-line training site for various technology vendors
- **interactive and collaborative developer community**
- **integrated community forums**
- automation and programmability standards development area
- providing support for website creation and maintenance
- **coordinated developer tools**

26. What resources are available in the Cisco DevNet Code Exchange?

- **a repository of sample code written by other developers**
- production-like development and code testing environments
- support for developer-related issues using forums and live chats
- self-paced tutorials that cover a wide range of automation and integration topics

27. A system administrator issues the apt-get upgrade command on a Linux operating system. What is the purpose of this command?

- **Every application installed will update itself to the latest version.**
- Operating system updates are downloaded and will be installed.
- The remote repository of applications and dependencies will be updated to the latest version.
- A specific application named upgrade will be installed.

28. A Linux system administrator is searching the passwd file for any username that starts with a digit. Which grep command should the administrator use?

- `grep '(0-9)' /etc/passwd`
- `grep '[0-9]' /etc/passwd`
- `grep '_[0-9]' /etc/passwd`
- **`grep "^[0-9]" /etc/passwd`**

29. What is the output when the following code is entered into a Python program interpreter?

```
[1,2,4,5] + [3,6]
```

- `[1,2,3,4,5,6]`
- `[12]+[9]`
- `[21]`
- **`[1,2,4,5,3,6]`**

30. What is displayed after the following code is entered into a Python interpreter?

```
addition = 22 + 10  
print(addition)
```

- nothing (because the print command is wrong)
- `[22]+[10]`
- (syntaxerror)-...as there should not be a space between the numerical values
- **32**

31. A Linux administrator is attempting to use a terminal to configure the network interface card on a computer. The administrator receives a message that the administrator does not have necessary permissions to perform the configuration. What should be done prior to the configuration command?

- identify a different network interface
- use a different user account

- **use the sudo command**
- change the chmod permissions on the network configuration file

32. A network engineer needs to review the status of all network interfaces of a server running a Linux operating system. The engineer enters the command `ifconfig -a`. What is the result of this command?

- All active interfaces will display information.
- The ARP table of the computer will be displayed.
- **Both active and inactive interfaces will display information.**
- The host routing table will be displayed.

33. A system administrator attempts to determine what is causing a computer to perform slower than normal. The administrator issues the `ps` command. What is displayed by this command?

- current RAM usage
- current NIC status
- **active processes using CPU time**
- current HDD usage

34. A user issues the Linux command `ls -l myfile.sh` to check the permission of the file `myfile.sh`.

```
devasc@labvm:~/Documents$ ls -l  
myfile.sh
```

```
-rwxr-xr-- 1 self test 15 Mar 30 21:24  
myfile.sh
```

Which two statements describe the permissions assigned to the file? (Choose two.)

- Any user in the self group can read, modify, and execute the file.

- **The user with the user ID of self can modify the file.**
- The user with the user ID of devasc can modify the file.
- All users can execute the file.
- **Any user in the test group can execute the file.**

35. Which Python command creates a conditional control structure?

- def
- delay
- from
- **if**

36. A user enters the commands as shown. What is the result after the my command is entered?

```
devasc@labvm:~/Documents$ pwd
/home/devasc/Documents
devasc@labvm:~/Documents$ mv
myfile.sh ../Desktop/myfile2.sh
```

- The file myfile.sh is copied to the /home/devasc/Desktop directory and renamed as myfile2.sh.
- The file myfile.sh is copied to the /home/devasc/Desktop directory and replaces the file myfile2.sh.
- The file myfile.sh is copied and renamed to myfile2.sh in the current directory.
- **The file myfile.sh is moved to the /home/devasc/Desktop directory and renamed as myfile2.sh.**

37. A student new to Python is working in the interactive interpreter mode. The student issues the commands:

```
>>> ipAddress =
{"R1":"10.1.1.1","R2":"10.2.2.1",
 "R3":"10.3.3.1"}
```

Which data type is used to represent the variable ipAddress?

- list

- array
- tuple
- **dictionary**

38. A student new to Python is working in the interactive interpreter mode.

The student issues the command:

```
>>> ipAddress = {"R1":"10.1.1.1",
 "R2":"10.2.2.1", "R3":"10.3.3.1"}
```

Which Python expression can be used to retrieve the IP address of R2?

- ipAddress{'R2'}
- **ipAddress['R2']**
- ipAddress[R2]
- ipAddress{"R2"}

39. A user issues a series of Linux commands as shown.

```
(omitted) $ pwd
/home/devasc/labs/ansible/backups
(omitted) $ cd ../..
```

Which directory is the current directory after the cd command is entered?

- /home
- /home/devasc/
- **/home/devasc/labs**
- /home/devasc/labs/ansible

40. A student new to Python is working in the interactive interpreter mode.

The student issues the commands:

```
>>> devicenames=["RT1", "RT2",
 "SW1", "SW2"]
```

```
>>> hostnames=devicenames +
["RT3", "SW3"]
```

```
>>> del hostnames [3]
```

```
>>> hostnames
```

What is the result?

- ['RT1', 'RT2', 'RT3', 'SW2', 'SW3']
- ['RT1', 'RT2', 'SW2', 'RT3', 'SW3']
- **['RT1', 'RT2', 'SW1', 'RT3', 'SW3']**
- ['RT1', 'RT2', 'SW1', 'SW2', 'SW3']

41. A student is learning Python in the interactive interpreter mode. The student issues the commands:

```
>>> y=2
```

```
>>> y*3
```

```
6
```

```
>>> 'Test'*y
```

What is the result?

- 'Test2'
- 'Test6'
- TypeError: A string type cannot be multiplied by an integer.
- **'TestTest'**
- 'TestTestTestTest TestTest'

42. A student is learning Python and is reviewing a Python script as follows:

```
ac1Num = int(input("What is the IPv4 ACL number? "))
```

```
if ac1Num >= 1 and ac1Num <= 99:
```

```
    print("This is a standard IPv4 ACL.")
```

```
elif ac1Num >=100 and ac1Num <= 199:
```

```
    print("This is an extended IPv4 ACL.")
```

```
Else:
```

```
    print("This is not a standard or extended IPv4 ACL.")
```

Under which condition will the elif statement be evaluated?

- when the input is a float number
- when the first print statement fails
- when the input is a string
- **when the if statement is false**

43. A user issues a Linux command and the result is shown:

```
total 40
```

```
drwxr-xr-x 2 devasc devasc 4096
```

```
Mar 30 21:25 Desktop
```

```
drwxr-xr-x 2 devasc devasc 4096
```

```
Apr 15 19:09 Documents
```

```
drwxr-xr-x 2 devasc devasc 4096
```

```
Apr 15 19:09 Downloads
```

```
drwxr-xr-x 5 devasc devasc 4096
```

```
Mar 30 21:21 labs
```

```
drwxr-xr-x 2 devasc devasc 4096
```

```
Apr 15 19:09 Music
```

```
drwxr-xr-x 2 devasc devasc 4096
```

```
Apr 15 19:09 Pictures
```

```
drwxr-xr-x 2 devasc devasc 4096
```

```
Apr 15 19:09 Public
```

```
drwxr-xr-x 5 devasc devasc 4096
```

```
Mar 30 21:24 snap
```

```
drwxr-xr-x 2 devasc devasc 4096
```

```
Apr 15 19:09 Templates
```

```
drwxr-xr-x 2 devasc devasc 4096
```

```
Apr 15 19:09 Videos
```

```
devasc@labvm:~$
```

Which Linux command is used to display the contents of the current directory as shown?

- ls -a

- **ls -l**

- ls

- ls -lr

44. A network engineer needs to review the status of all network interfaces of a server running a Linux operating system. The engineer enters the command `ifconfig -a`. What is the result of this command?

- The host routing table will be displayed.

- All active interfaces will display information.

- **Both active and inactive interfaces will display information.**

- The ARP table of the computer will be displayed.