OS

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1 Which of the following is correct Bash shebang?

- ⦿ a. #!/bin/bash ✓
- ◯ b. #/bin/bash
- ◯ c. !#/bin/bash
- ◯ d. !/bin/bash

2 What is the general output of echo $PS1

- a. [\u@\h|W]\$ ✗
- b. [\u@h \W]\$ ✗
- c. [\u@\h \W]\$ ✓
- d. [\u@\h@ \W]\$ ✗

3 Command to get the pid of a specific process is

- a. pidof <process name> ✓
- b. pid -of <process name>
- c. pid of <process name>
- d. pid-of <process name>

4 Command to switch the user is

- a. su -<username>
- b. su - <username> ✓
- c. switch <username>
- d. None of the above

5 Output of final command will be as follows: [root@localhost edac_os]# echo "hello" > file [root@localhost edac_os]# echo "world" >> file [root@localhost edac_os]# cat file

```
hello
world
```

a

```
hello world
```

b

```
world
hello
```

c

```
world hello
```

d

6 Output of this command will be as follows:

```
touch file;stat -c %a file;chmod 755 file;stat -c %a file;echo "hello edac" > file;cat file
```

```
hello edac
```

a

```
644
755
hello edac
```

b

```
755
hello edac
```

c

```
644
hello edac
```

d

7 Command to find the file in '/root' on the basis of a name

- a. find root -name <filename>

- b. find /root -name <filename>

- c. find root -n <filename>

- d. find /root -n <filename>

8 Comamnd to display the List of every running process

○ a. ps

○ b. ps -f

○ c. ps -elf

○ d. None of the above

9 Command To know which shell you are working in

○ a. echo SHELL

○ b. echo $SHELL

○ c. echo $BASH

○ d. None of the above

10 Command to find permissions of a file in numeric format

○ a. stat -c %a <filename>

○ b. stat -c %a <filename>

○ c. stat %c %a <filename>

○ d. None of the above

11 what is the numeric value of r,w and x respectively

○ a. 1,2,4

○ b. 1,4,2

○ c. 4,2,1 ✓

○ d. None of the above

12 Syntax to set up ACL for a specific user is as follows:

○ a. setfacl -m u:<username>:<permission set> filename/path ✓

○ b. setfacl m u:<username>:<permission set> filename/path ✗

○ c. setfacl -modify u:<username>:<permission set> filename/path ✗

○ d. setfacl -m user:<username>:<permission set> filename/path ✗

13 Where are user's password stored in Linux?

○ a. /etc/passwd

○ b. /etc/shadow → 1

○ c. /etc/passwords

○ d. None of the above

14 Command to see current working location

○ a. cd ..

○ b. cwl

○ c. pwd

○ d. All of the above

15. Where is user information stored in Linux?

○ a. /etc/passwd

○ b. /etc/shadow

○ c. /etc/passwords

○ d. None of the above

16 Syntax to store output of a command in to variable is

○ a. $var=(<command>)

○ b. var $(<command>)

○ c. var=#(<command>)

◉ d. var=$(<command>)

17 Which of the following is not a type of shell?

C Language?

○ a. The C Shell

○ b. The Korn Shell

○ c. The Bourne Shell

○ d. The Perl Shell

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18 Which of the following is correct?

```
User mode --> mode bit = 1  ✓
kernel mode --> mode bit = 0  ✓
```

○ a

```
User mode --> mode bit = 0  ✗
kernel mode --> mode bit = 1  Y
```

○ b

```
User mode --> mode bit = 1
kernel mode --> mode bit = 
```

○ c

```
None of the above
```

○ d

19 Which of the following is correct?

```
$ --> user in action is a regular user
# --> user in action is a root user
.
```

a

```
$ --> user in action is a root user
# --> user in action is a root user
```

b

```
$ --> user in action is a root user
# --> user in action is a super user
-
```

c

```
None of the above
```

d

20 Command to restart the linux machine

a. init 6

b. init 0 ────> shutdown

c. init 5 ────>

d. init 4

21 What is the general output of echo $PS2

○ a. <

○ b. >

○ c. >>

○ d. <<

22 What is the general output of echo $PS4

○ a. -

○ b. +

○ c. ++

○ d. None of the above

23 Command to see the files owned by a user in its home dir

○ a. find ~/ -user <username>

○ b. find / -user <username>

○ c. find /root -user <username>

○ d. None of the above

24 Output of command - touch .file;ls -l file

○ a. ls: cannot access file: No such file or directory ✓

○ b. -rw-rw-r--. 1 tom tom 0 Sep 29 00:52 .file

○ c. -rw-rw-r--. 1 tom tom 0 Sep 29 00:52 file

○ d. None of the above

25 What is an operating system?

○ a. collection of programs that manages hardware resources

○ b. system service provider to the application programs

○ c. interface between the hardware and application programs

○ d. all of the mentioned ✓

26 If a process fails, most operating system write the error information to a
_____

○ a. log file ✓

○ b. another running process

○ c. new file

○ d. none of the mentioned

27 ESXi is a ___ hypervisor

○ a. Type I

○ b. Type II

○ c. Both a and b

○ d. None of the above

28 Kernel is reposnsibe for

○ a. Memory Management

○ b. System calls control

○ c. Process Management for application execution.

○ d. All of the above

29 For real time operating systems, interrupt latency should be _____

○ a. minimal

○ b. maximum

○ c. zero

○ d. dependent on the scheduling

30 In Linux, which system call creates the new process?

○ a. fork

○ b. create

○ c. new

○ d. none of the mentioned

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