

1. C
2. B
3. A
4. D
5. C
6. A
7. D
8. B
9. B,C,D
10. A
11. B
12. B
13. D
14. C
15. C
16. A
- 17.

```
#!/bin/sh
```

```
df -Ph | grep -vE '^Filesystem|tmpfs|cdrom' | awk '{ print $5,$1 }' | while read output;
```

```
do
```

```
    echo $output
```

```
    used=$(echo $output | awk '{print $1}' | sed s/%//g)
```

```
    if [ $used -gt 30 ];
```

```
    then
```

```
        echo "usage is over 30%"
```

```
    fi
```

```
done
```

```
18.
```

```
echo enter user name
```

```
read USER_NAME
```

```
cat /etc/passwd | grep ${USER_NAME} >/dev/null 2>&1
```

```
if [ $? -eq 0 ] ; then
```

```
    echo "User Exists"
```

```
else
```

```
    echo "User Not Found"

    sudo useradd $USER_NAME

    echo "User created"

fi
```

19.

```
#!/bin/bash
while true
do
    if ping -c 1 -W 5 google.com 1>/dev/null 2>&1
    then
        echo -en "\E[47;32m""\033[1mS\033[0m"
        echo "Connected!"
    else
        echo -en "\E[47;31m""\033[1mZ\033[0m"
        echo "Not Connected!"
    fi
done
```

20.

```
#!/bin/bash

echo enter name of process to start

read pro

echo $pro

killall -9 $pro
```