

Q1. A) Write and execute the following Commands on Linux

- i) Display calendar of month March 2020.
`cal march 2020`
- ii) Display all files along with their size.
`ls -l`
- iii) Count number of files in current working directory
`ls -l | wc -l`
- iv) Create file as follows and write commands for same.
`$ cat file.txt`
`unix or linux os`
`is unix good os`
`is linux good os`
Write a linux command to print characters of 4th position.

`touch file.txt`
`cat > file.txt`
`cut -c 4 file.txt`
- v) Write Vi command to copy first 2 lines and paste after 5th line.
`2yy + P`

Q1. B) Write a shell script to display sum of two numbers.

```
#!/bin/bash
echo "Enter the first number:"
read num1

echo "Enter the second number:"
read num2

sum=$((num1 + num2))

echo "The sum of $num1 and $num2 is: $sum"
```

Q2. Write a shell script to accept a file name, and display file details if the file exists and a suitable message if it does not.

```
#!/bin/bash
echo "enter the name of file"
read filename
if [ -e $filename ]
then
    echo " $filename exist"
    ls -l $filename
else
    echo "$filename not exist"
fi
```

OR

Q2. Write a shell script to find sum of digits.

```
#!/bin/bash
echo "enter num"
read num
sum=0
while [ $num -gt 0 ]
do
    digit=$((num%10))
    echo "$digit"
    sum=$((sum+digit))
    num=$((num/10))
done
echo "sum of digit:$sum"
```