

## Week - 5

1) #!/bin/bash

echo "Enter a string"

# take input from user  
read txt

# Counting words

word = \$(echo -n "\$txt" | wc -w)

# Counting characters

char = \$(echo -n "\$txt" | wc -c)

Space = \$(expr length "\$txt" - length  
echo "\$txt" | sed 's/ /g')

Spaced = \$(expr length "\$txt" | (cat | @ | 11))

echo "No of word = \$word"

echo "No of character = \$char"

echo "No of white space = \$Space"

echo "No of Special Symbol = \$Spaced"

O/p Enter a string

Mohan is a great Player.

No of word = 5

No of Char = 30

No of Spaces = 4

No of special Symbol = 0

- 2) Write a shell script to accept n numbers from the users: Display the Count and Sum of Positive and negative no Separately.

```
#!/bin/bash
echo "Enter limit"
read n
Pos=0
neg=0
Pos-Sum=0
neg-Sum=0
echo "Enter number"
for i in $(seq 1 $n)
do
    read temp
    if [ $temp -gt 0 ]
    then
        Pos=$((Pos+1))
        Pos-Sum=$((Pos-Sum + $temp))
    else
        neg=$((neg+1))
        neg-Sum=$((neg-Sum + $temp))
    fi
done
echo "Positive numbers = $Pos"
echo "negative numbers = $neg"
echo "Positive sum = $Pos-Sum"
echo "negative sum = $neg-Sum"
```



output

Enter limit

3

Enter number

4 5 6

Positive no = 3

Positive sum = 15

3)

# !/bin/bash

echo "Enter A Number"

read n

echo "Previous Two Prime no of \$n are"

f = 0

for (( j=1; j<= \$N; j++ ))

do

if [ \$((\$N % j)) -eq 0 ]

then

f = \$((\$f + 1))

fi

done

~~if [ \$f -eq 2 ] && [ \$c -lt 2 ]~~

~~then~~

echo \$N

c = \$((\$c + 1))

fi

done

output

chmod 777 prime.sh

./prime.sh

Enter a no

5

Previous two Prime no of 5 are

3

2

#### 4) Pattern

```
# !/bin/bash
```

```
for (( i=1; j<6; i++ ))
```

```
{
```

```
for (( j=1; i<=6-i; j++ ))
```

```
{
```

```
echo -n " "
```

```
}
```

```
for (( j=1; j<=i*2-1; i++ ))
```

```
{
```

```
echo -n "*";
```

```
}
```

```
echo " "
```

```
}
```

```
for (( j=4; j>0; j-- ))
```

```
{
```

```
{ j=1; j<=6-i; j++ }
```

```
}
```

```
echo -n " "
```

```
}
```

```
for (( j=1; i<=j*2-1; i++ ))
```

```
{
```

```
echo -n "*"
```

```
}
```

```
echo " "
```

```
}
```

Output: -

```

      *
    * * *
  * * * * *
* * * * * *
  * * * * *
    * * *
      * *
        *
  
```

free