

13/12/2022

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## LAB-6

```
1. #!/bin/bash
echo "Enter the file name"
read f
echo "The number of characters are"
wc -c $f
echo "The number of words are"
wc -w $f
echo "The number of lines are"
wc -l $f
```

O/p

Enter the file name

fact.sh

The number of characters are

130 fact.sh

The number of words are

20 fact.sh

The number of lines are

11 fact.sh

```
2. #!/bin/bash
echo "Enter number of elements"
read n
```

i=0

pos=0

neg=0

posum=0

negum=0

while [ \$i -lt \$n ]

do

read num



```

if [ $num -gt 0 ]
then
    pos=$(( $pos + 1 ))
    possum=$(( $possum + $num ))
elif [ $num -lt 0 ]
then
    neg=$(( $neg + 1 ))
    negsum=$(( $negsum + $num ))
fi
i=$(( $i + 1 ))
done

```

```

echo "Positive count is $pos"
echo "Positive sum is $possum"
echo "Negative count is $neg"
echo "Negative sum is $negsum"

```

O/P

Enter the number of numbers

5

2

-4

15

-13

7

count.

Positive sum is 3

Positive sum is 24

Negative count is 2

Negative sum is -17



3.

```
echo #!/bin/bash
echo "Enter a number"
read n
echo "Previous two numbers are"
c=0
for ((N=$n-1; N>1; N--))
do
f=0
for ((j=1; j<=$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
O/P
```

Enter a number

8

Previous two numbers are

5

7

4. #!/bin/bash

```
for((i=1; i<=7; i++))
{
    for((j=1; j<=7-i; j++))
```

```
{
    echo -n " "
```

```
}
```

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

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

```
}
```

```
echo " "
```

```
}
```

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

```
{
    for((j=1; j<=7-i; j++))
```

```
{
    echo -n " "
```

```
}
```

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

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

```
}
```

```
echo " "
```

```
}
```

O/P

```

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

Line