Shell Script

Aim:

To write a Shellscript to to display basic calculator.

Program:

echo "Enter the num1 and num2:"

read n1

read n2

a=`expr $n1 + $n2`

b=`expr $n1 - $n2`

c=`expr $n1 \* $n2`

d=`expr $n1 / $n2`

e=`expr $n1 % $n2`

echo "add $a"

echo "sub $b"

echo "mul $c"

echo "div $d"

echo "mod $e"

OUTPUT :

```
-bash-4.4$ vi cal.sh
-bash-4.4$ chmod +x cal.sh
-bash-4.4$ ./cal.sh
Enter the num1 and num2:
2
3
add 5
sub -1
mul 6
div 0
mod 2
```

EX – 2 a)   Shell Script

Aim:

To write a Shellscript to test given year is leap or not using conditional statement

Program :

echo "Enter the year:"

read y

a=$(expr $y % 4)

b=$(expr $y % 100)

c=$(expr $y % 400)

if [$a -eq 0 -a $b -ne 0 -o $c -eq 0]

then

   echo "It is a leap year"

else

   echo "It is not a leap year"

fi

OUTPUT :

```
-bash-4.4$ vi leap.sh
-bash-4.4$ chmod +x leap.sh
-bash-4.4$ ./leap.sh
Enter the year:
2020
It is a leap year
-bash-4.4$ ./leap.sh
Enter the year:
2021
It is not a leap year
-bash-4.4$ █
```