## **OPEARTING SYSTEM**

Experiment No. 05

AIM - write a menu driven shell to develop a Calculator.	-script program
Theory	
Approach for developing a calcul programming language	ator in shell -
1) first, we'll take input of to	
2 Inputawill be asked to the condition (2) substraction (3)	ser as -> 3) Multiplication
(a) Then further, well use Condit to build the logic for the c	tonal statements
4) if choice equals to a	
else if choice equal to 2  (alculator rel = a-b	
else if chaice equals to 3 calculator res = a*b	
else is choice equals to(4)	
colculator res = a/b.  Thus, we'll return Output  by returning res.	as an Result

Thus, we Succesfully implemented a Snell-script for a menu driven calculator	Conclusion -
	Thus, we Succesfully implemented a Shell-script for a mena driven calculator

## Program code:

```
#!/bin/bash
clear
sum=0
i="y"
echo " Enter first no."
read n
echo "Enter second no."
read n2
while [ $i = "y" ]
d
echo "1.Addition"
echo "2.Subtraction"
echo "3.Multiplication"
echo "4.Division"
echo "Enter your choice"
read ch
case $ch in
  1)sum=`expr $n1 + $n2`
  echo "Sum ="$sum;;
```

```
2)sum=`expr $n1 - $n2`
  echo "Sub = "$sum;;
  3)sum=`expr $n1 \* $n2`
  echo "Mul = "$sum;;
  4)sum=`echo "scale=2;$n1/$n2"|bc`
    echo "div=" $sum;
  *)echo "Invalid choice";;
esac
echo "Do u want to continue ?[y/n]"
read i
if [ $i != "y" ]
then
  exit
fi
done
```

## **Program Output:**

```
Enter first no.
Enter second no.
99
1.Addition
2.Subtraction
3.Multiplication
4.Division
Enter your choice
Sum =187
Do u want to continue ?[y/n]
y
1.Addition
2.Subtraction
3.Multiplication
4.Division
Enter your choice
66
Invalid choice
Do u want to continue ?[y/n]
y
1.Addition
2.Subtraction
3.Multiplication
4.Division
Enter your choice
2
Sub = −11
Do u want to continue ?[y/n]
```