

NETWORKING & SYSTEM ADMINISTRATION LAB**Name: Silvia Thomas****Roll No:38****Batch:MCA -B****Date:12-05-2022****Experiment No.: 23****Aim**

Write a shell script to perform arithmetic operation.

Procedure

```
student@S28:~/Documents/shellscript$ gedit calculator.sh
```

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

```
echo "Enter two numbers:"
```

```
read a
```

```
read b
```

```
echo "1. Addition"
```

```
echo "2. Subtraction"
```

```
echo "3. Multiplication"
```

```
echo "4. Division"
```

```
echo "Enter your choice:"
```

```
read ch
```

```
case $ch in
```

```
1)res=`echo $a + $b | bc`
```

```
;;
```

```
2)res=`echo $a - $b | bc`
```

```
;;
```

```
3)res=`echo $a \* $b | bc`
```

```
;;
```

```
4)res=`echo "scale=2; $a / $b" | bc`
```

```
;;
```

```
esac
```

echo "Result : \$res"

Output

```
student@S28:~/Documents/shellscript$ bash calculator.sh
Enter two numbers:
2
2
1. Addition
2. Subtraction
3. Multiplication
4. Division
Enter your choice:
1
Result : 4
```

```
student@S28:~/Documents/shellscript$ bash calculator.sh
Enter two numbers:
2
3
1. Addition
2. Subtraction
3. Multiplication
4. Division
Enter your choice:
2
Result : -1
```

```
student@S28:~/Documents/shellscript$ bash calculator.sh
Enter two numbers:
2
4
1. Addition
2. Subtraction
3. Multiplication
4. Division
Enter your choice:
3
Result : 8
```

```
student@S28:~/Documents/shellscript$ bash calculator.sh
Enter two numbers:
3
5
1. Addition
2. Subtraction
3. Multiplication
4. Division
Enter your choice:
4
Result : .60
```