

## SHELL SCRIPT

```
1 #!/bin/bash
2
3 echo "Scientific calculator and its operations"
4 echo
5 echo "Operations that can be performed"
6 echo "Addition: +"
7 echo "Subtraction: -"
8 echo "Multiplication: *"
9 echo "Division: /"
10 echo "Modulus: %"
11 echo "Exponential: ^"
12 echo "Paranthesis: ()"
13 echo
14 echo "Enter expression: "
15 read exp
16 echo
17 echo "Result: `awk "BEGIN{print $exp}"`"
18 echo
19 |
```

## OUTPUT

```
mnakshi@Mikasa:~/OS_Lab$ bash scicalculator.sh
Scientific calculator and its operations

Operations that can be performed
Addition: +
Subtraction: -
Multiplication: *
Division: /
Modulus: %
Exponential: ^
Paranthesis: ()

Enter expression:
(3*4)^5

Result: 248832

mnakshi@Mikasa:~/OS_Lab$ bash scicalculator.sh
Scientific calculator and its operations

Operations that can be performed
Addition: +
Subtraction: -
Multiplication: *
Division: /
Modulus: %
Exponential: ^
Paranthesis: ()

Enter expression:
(1-6+2)*4*(4/2)^8

Result: -3072

mnakshi@Mikasa:~/OS_Lab$
```