

29/11/2022

LAB-4

DATE / /
PAGE

```
1. #!/bin/bash
echo "Enter the number"
read num
fact=1
while [ $num -gt 1 ]
do
fact=$(( $fact * $num ))
num=$(( $num - 1 ))
done
echo $fact
```

O/P
Enter the number
4
24

```
2. #!/bin/bash
echo "Enter first number"
read a
echo "Enter second number"
read b
echo "Enter option"
1. Addition
2. Subtraction
3. Multiplication
4. Division
read opt
case $opt in
1) echo $(( $a + $b )) ;;
2) echo $(( $a - $b )) ;;
3) echo $(( $a * $b )) ;;
```



```
4) echo $((($a/$b)) ;;
*) echo "Invalid option" ;;
esac
```

O/P

Enter ~~option~~ first number

Enter 4

Enter second number

3

Enter option

1. Addition

2. Subtraction

3. Multiplication

4. Division

2

1

3. #!/bin/bash
echo "Enter number"
read n

sum=0

i=2

while [\$i -le \$n]

do

sum=\$((sum + \$i))

i=\$((i + 1))

done

echo \$sum

O/P

Enter number

10

30

4. #!/bin/bash
 echo "Enter base"
 read a
 echo "Enter power"
 read b
 value=1
 while [\$b -gt 0]
 do
 value=\$((value * a))
 b=\$((b - 1))
 done
 echo \$value
 O/P
 Enter base
 5
 Enter power
 3
 125

5. #!/bin/bash
 echo "Enter option"
 read opt
 case "\$opt" in
 "Y"|"y"|"Yes"|"YES"|"yes") echo "Agreed" ;;
 "N"|"n"|"No"|"NO"|"no") exit 1 ;;
 *) echo "Invalid option" ;;
 esac
 O/P
 Enter option Enter option
 Yes No
 Agree Exited

Done
 29/11/22