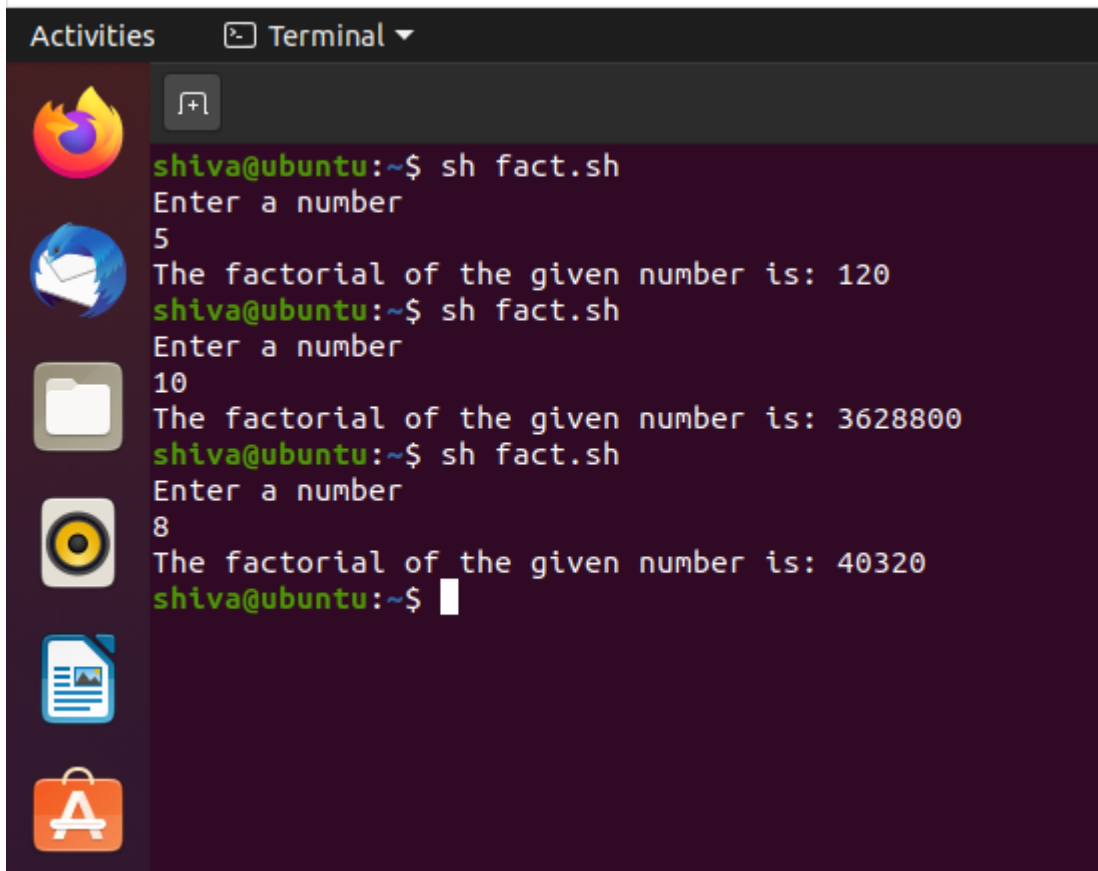


- 1) Shell script to find the FACTORIAL OF A NUMBER using While Loop.
OUTPUT:

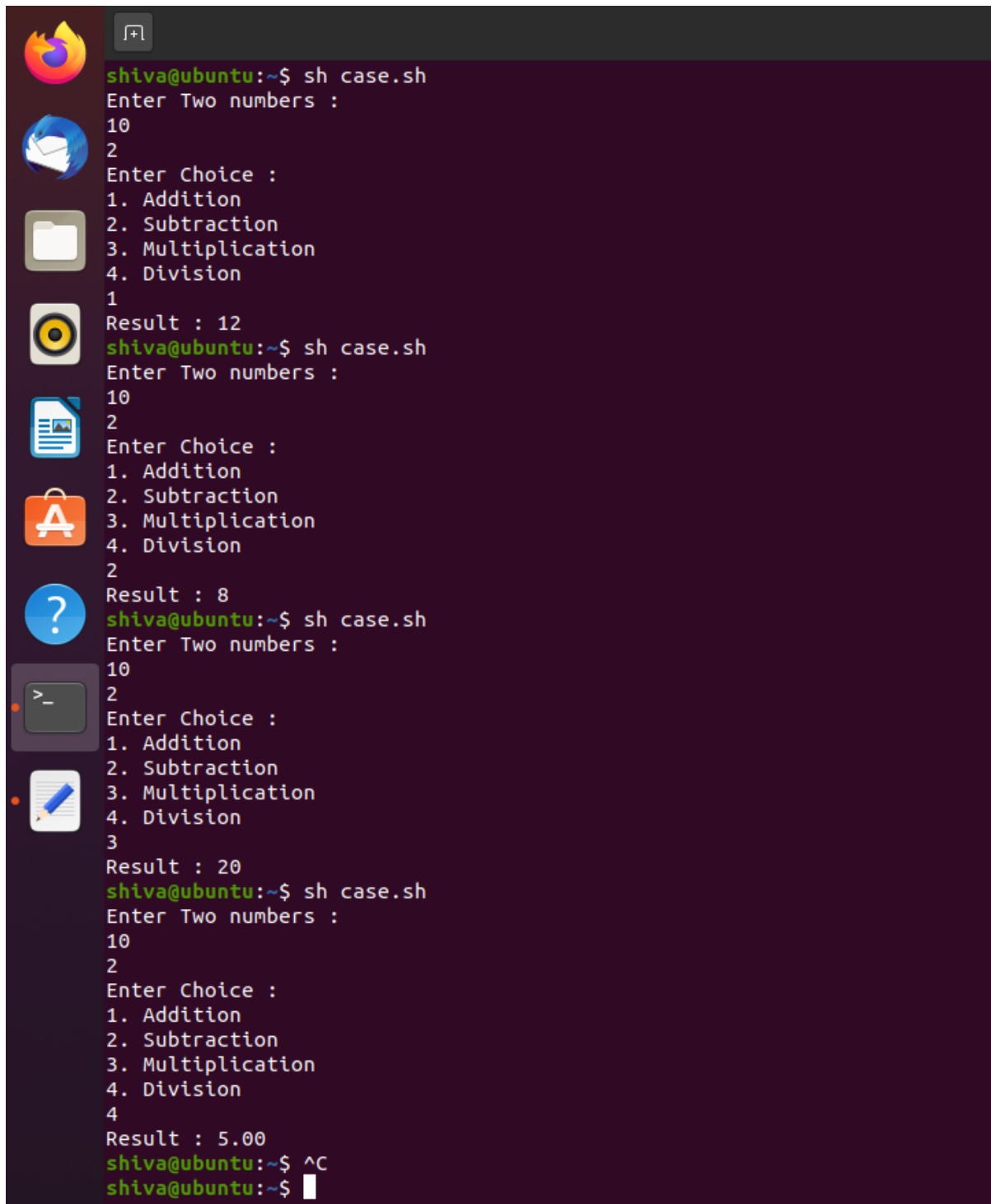


The screenshot shows a terminal window titled 'Terminal' with a dark background. On the left side, there is a vertical dock with icons for Firefox, a mail client, a file manager, a media player, a document viewer, and the Ubuntu application menu. The terminal text shows the user 'shiva@ubuntu' running a script 'fact.sh' three times. Each time, it prompts for a number and displays the factorial result.

```
shiva@ubuntu:~$ sh fact.sh
Enter a number
5
The factorial of the given number is: 120
shiva@ubuntu:~$ sh fact.sh
Enter a number
10
The factorial of the given number is: 3628800
shiva@ubuntu:~$ sh fact.sh
Enter a number
8
The factorial of the given number is: 40320
shiva@ubuntu:~$
```

- 2) Shell script to perform ARITHMETIC OPERATIONS on given two numbers using Case statement syntax.

OUTPUT:



```
shiva@ubuntu:~$ sh case.sh
Enter Two numbers :
10
2
Enter Choice :
1. Addition
2. Subtraction
3. Multiplication
4. Division
1
Result : 12
shiva@ubuntu:~$ sh case.sh
Enter Two numbers :
10
2
Enter Choice :
1. Addition
2. Subtraction
3. Multiplication
4. Division
2
Result : 8
shiva@ubuntu:~$ sh case.sh
Enter Two numbers :
10
2
Enter Choice :
1. Addition
2. Subtraction
3. Multiplication
4. Division
3
Result : 20
shiva@ubuntu:~$ sh case.sh
Enter Two numbers :
10
2
Enter Choice :
1. Addition
2. Subtraction
3. Multiplication
4. Division
4
Result : 5.00
shiva@ubuntu:~$ ^C
shiva@ubuntu:~$
```

3) Shell script to find the SUM OF EVEN NUMBERS UPTO N using loop condition.

OUTPUT:

```
Activities Terminal Oct 13 02:40 shiva@ubuntu: ~
shiva@ubuntu:~$ sh sumofeven.sh
Enter upper limit
10
Sum of all even numbers between 0 and 10 = 20
shiva@ubuntu:~$ sh sumofeven.sh
Enter upper limit
15
Sum of all even numbers between 0 and 15 = 56
shiva@ubuntu:~$ sh sumofeven.sh
Enter upper limit
100
Sum of all even numbers between 0 and 100 = 2450
shiva@ubuntu:~$ sh sumofeven.sh
Enter upper limit
4
Sum of all even numbers between 0 and 4 = 2
shiva@ubuntu:~$
```