

## ASSIGNMENT -2

**Assignment 2:** Write a script that reads numbers from the user until they enter '0'. The script should also print whether each number is odd or even.

### Script:

```
#!/bin/sh

echo "Enter the number:"

read num

if (( num % 2 == 1 )); then
    echo "odd"
else
    echo "even"
fi
```

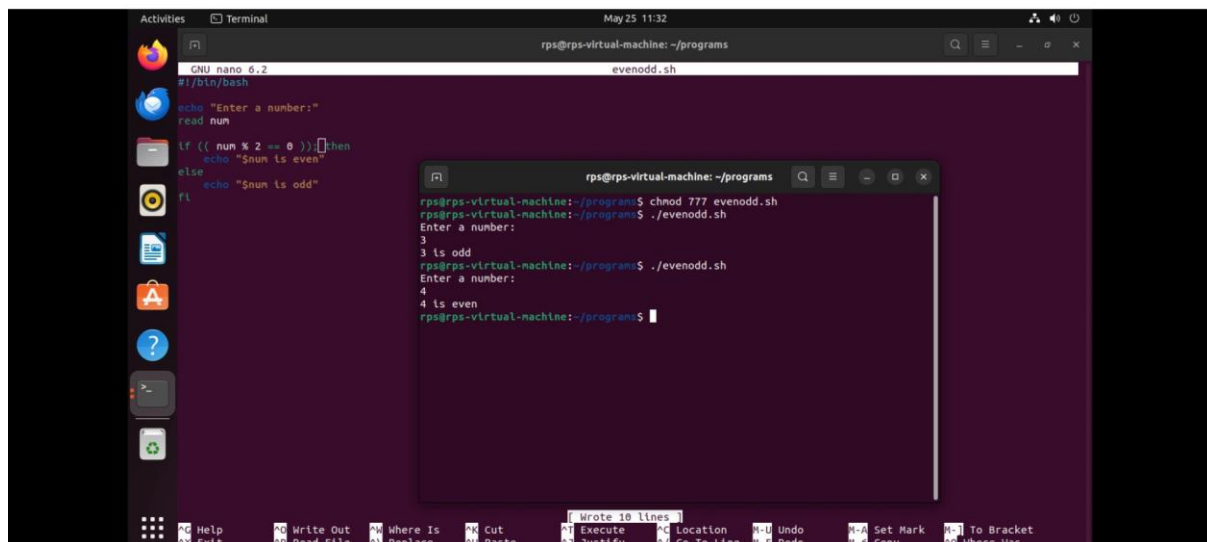
### Sample Output:

Enter a number : 3

3 is odd

Enter a number : 4

4 is even



The screenshot shows a Linux desktop environment with a terminal window open. The terminal title is 'rps@rps-virtual-machine: ~/programs'. The user has created a file named 'evenodd.sh' and is editing it with nano. The script content is as follows:

```
GNU nano 6.2 evenodd.sh
#!/bin/bash

echo "Enter a number:"
read num

if (( num % 2 == 0 )); then
    echo "$num is even"
else
    echo "$num is odd"
fi
```

Below the editor, a smaller terminal window shows the script being executed. The user has set permissions with 'chmod 777 evenodd.sh' and then run './evenodd.sh' twice. The first run shows 'Enter a number:' followed by '3' and the output '3 is odd'. The second run shows 'Enter a number:' followed by '4' and the output '4 is even'.

```
rps@rps-virtual-machine: ~/programs
rps@rps-virtual-machine: ~/programs$ chmod 777 evenodd.sh
rps@rps-virtual-machine: ~/programs$ ./evenodd.sh
Enter a number:
3
3 is odd
rps@rps-virtual-machine: ~/programs$ ./evenodd.sh
Enter a number:
4
4 is even
rps@rps-virtual-machine: ~/programs$
```