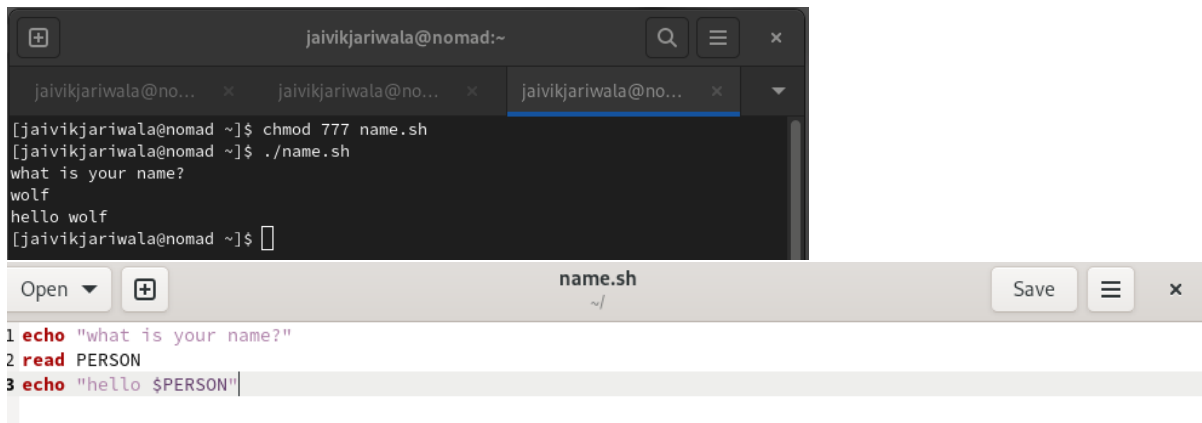


1) Write a shell script to print your name.



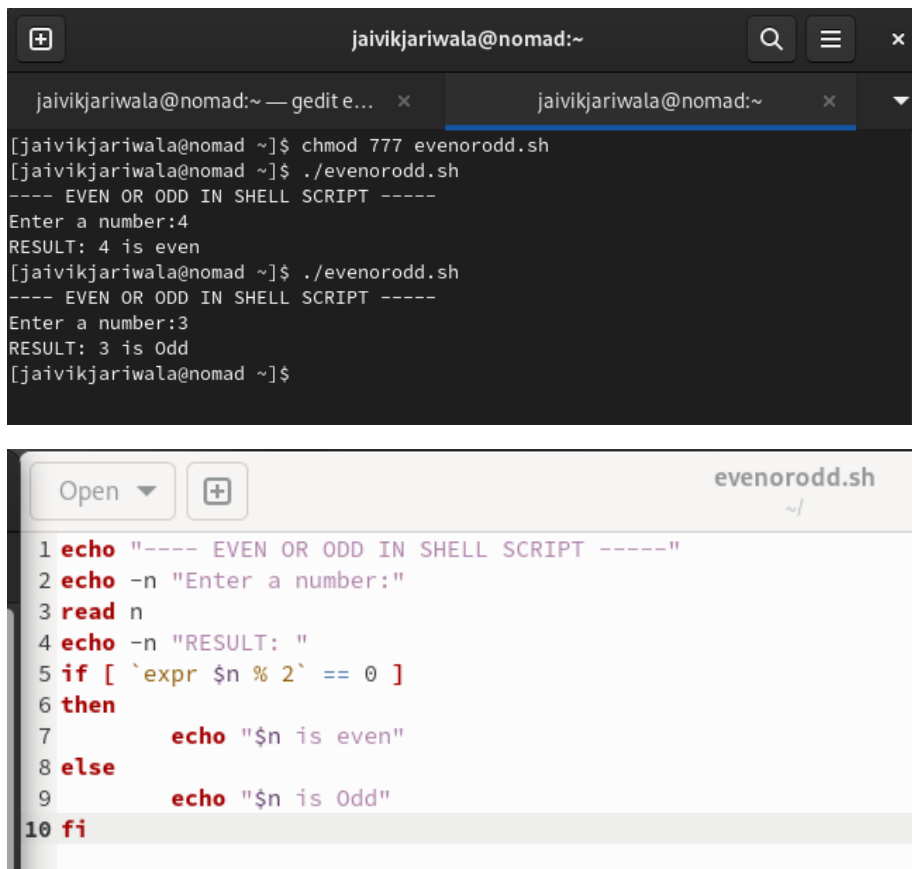
The image shows a terminal window and a code editor. The terminal window displays the following commands and output:

```
[jaivikjariwala@nomad ~]$ chmod 777 name.sh
[jaivikjariwala@nomad ~]$ ./name.sh
what is your name?
wolf
hello wolf
[jaivikjariwala@nomad ~]$
```

The code editor shows the content of the file `name.sh`:

```
1 echo "what is your name?"
2 read PERSON
3 echo "hello $PERSON"
```

2) Write a shell script to find whether a number is even or odd.



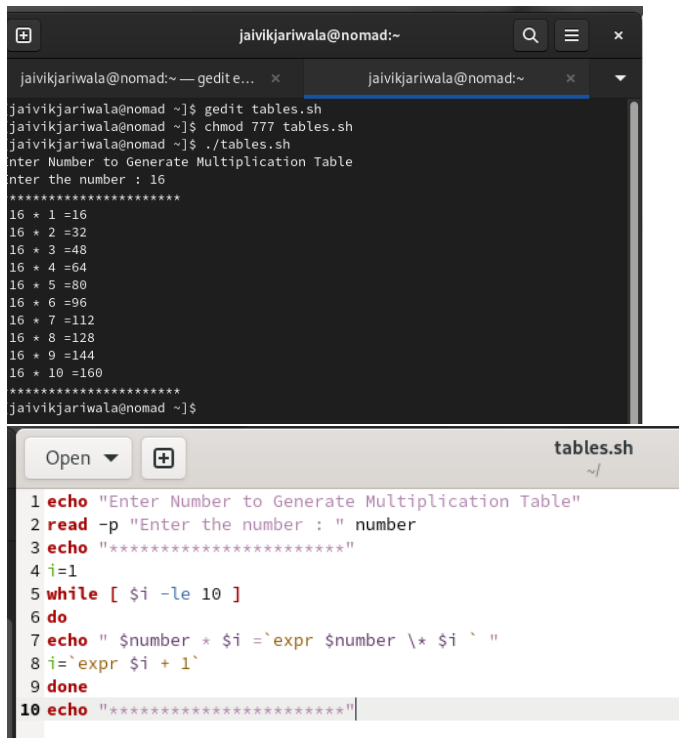
The image shows a terminal window and a code editor. The terminal window displays the following commands and output:

```
[jaivikjariwala@nomad ~]$ chmod 777 evenorodd.sh
[jaivikjariwala@nomad ~]$ ./evenorodd.sh
---- EVEN OR ODD IN SHELL SCRIPT ----
Enter a number:4
RESULT: 4 is even
[jaivikjariwala@nomad ~]$ ./evenorodd.sh
---- EVEN OR ODD IN SHELL SCRIPT ----
Enter a number:3
RESULT: 3 is Odd
[jaivikjariwala@nomad ~]$
```

The code editor shows the content of the file `evenorodd.sh`:

```
1 echo "---- EVEN OR ODD IN SHELL SCRIPT ----"
2 echo -n "Enter a number:"
3 read n
4 echo -n "RESULT: "
5 if [ `expr $n % 2` == 0 ]
6 then
7     echo "$n is even"
8 else
9     echo "$n is Odd"
10 fi
```

3) Write a script to print a table of a given number.

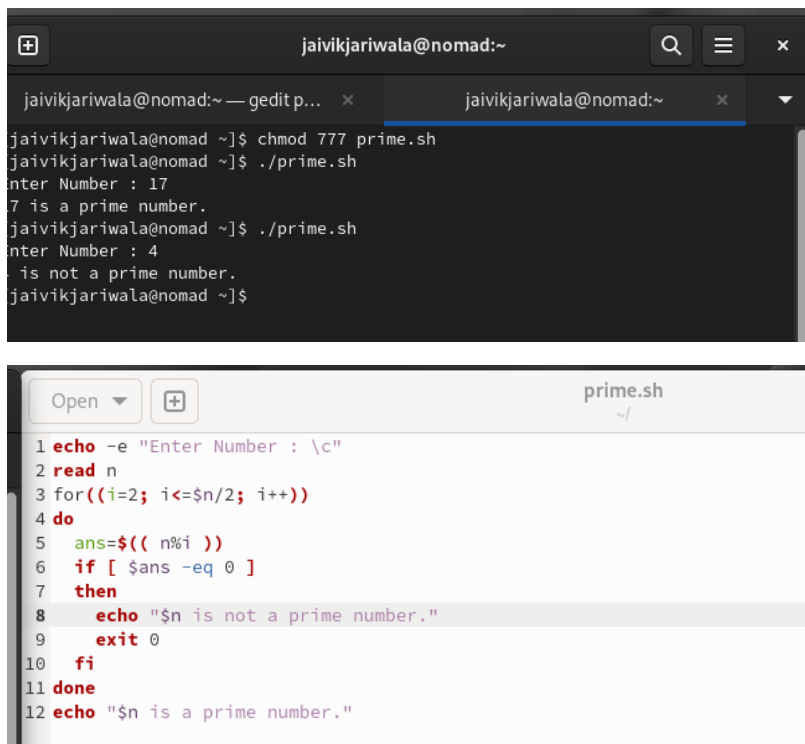


The image shows a terminal window and a script editor. The terminal window displays the execution of a script named 'tables.sh'. The user enters the number 16, and the script prints a multiplication table for 16 from 1 to 10. The script editor shows the code for 'tables.sh'.

```
jaivikjariwala@nomad:~$ gedit tables.sh
jaivikjariwala@nomad:~$ chmod 777 tables.sh
jaivikjariwala@nomad:~$ ./tables.sh
Enter Number to Generate Multiplication Table
Enter the number : 16
*****
16 * 1 =16
16 * 2 =32
16 * 3 =48
16 * 4 =64
16 * 5 =80
16 * 6 =96
16 * 7 =112
16 * 8 =128
16 * 9 =144
16 * 10 =160
*****
jaivikjariwala@nomad:~$
```

```
1 echo "Enter Number to Generate Multiplication Table"
2 read -p "Enter the number : " number
3 echo "*****"
4 i=1
5 while [ $i -le 10 ]
6 do
7 echo " $number * $i ="`expr $number \* $i ` "
8 i=`expr $i + 1`
9 done
10 echo "*****"
```

4) Write a shell script to check whether a given no. is prime or not.

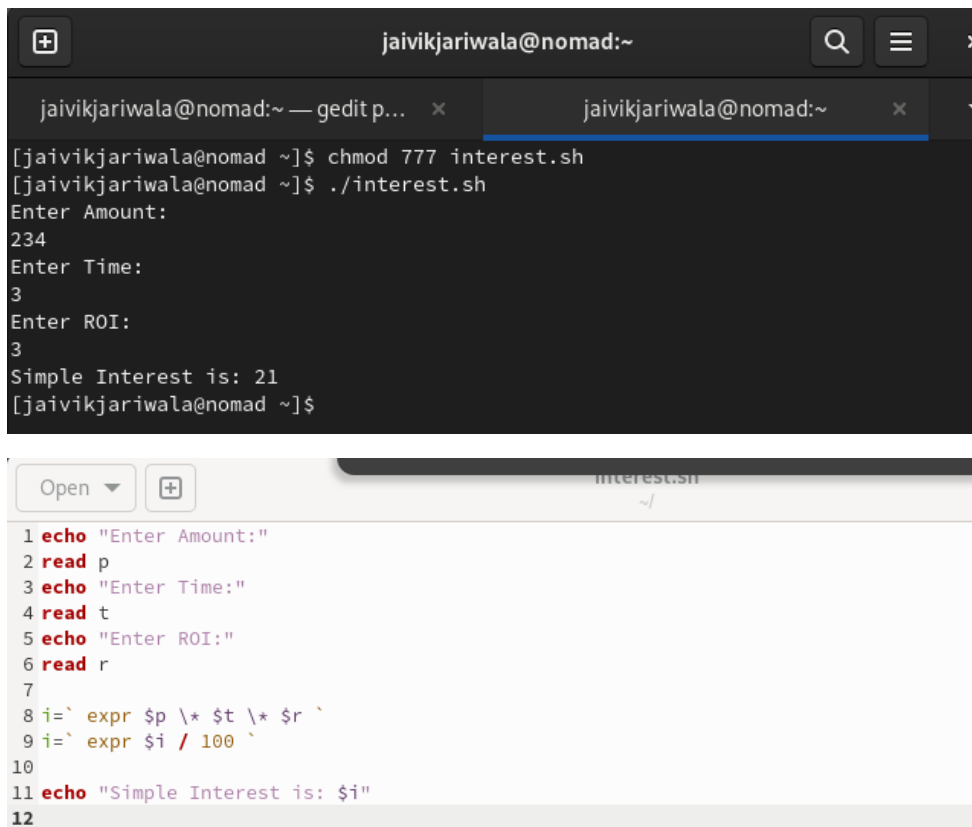


The image shows a terminal window and a script editor. The terminal window displays the execution of a script named 'prime.sh'. The user enters the number 17, and the script outputs '17 is a prime number.'. The user then enters the number 4, and the script outputs '4 is not a prime number.'. The script editor shows the code for 'prime.sh'.

```
jaivikjariwala@nomad:~$ chmod 777 prime.sh
jaivikjariwala@nomad:~$ ./prime.sh
Enter Number : 17
17 is a prime number.
jaivikjariwala@nomad:~$ ./prime.sh
Enter Number : 4
4 is not a prime number.
jaivikjariwala@nomad:~$
```

```
1 echo -e "Enter Number : \c"
2 read n
3 for((i=2; i<=$n/2; i++))
4 do
5 ans=$(( n%i ))
6 if [ $ans -eq 0 ]
7 then
8 echo "$n is not a prime number."
9 exit 0
10 fi
11 done
12 echo "$n is a prime number."
```

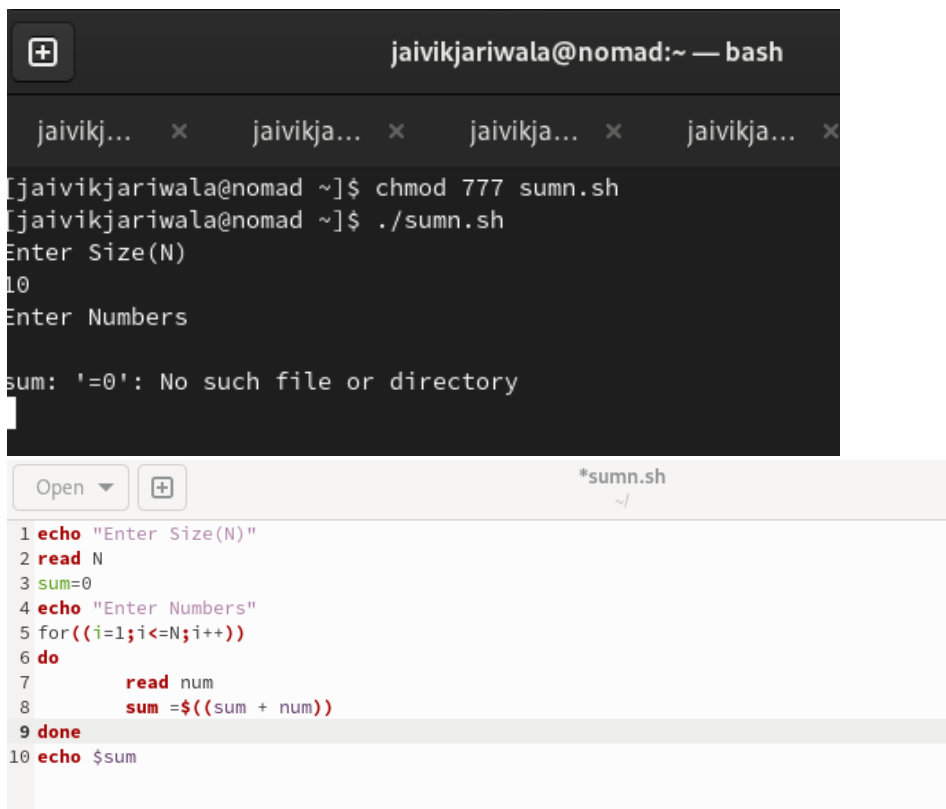
5) Write a shell script to find the simple interest.



The image shows a terminal window and a script editor. The terminal window, titled 'jaivikjariwala@nomad:~', shows the execution of a script named 'interest.sh'. The user sets permissions with 'chmod 777 interest.sh' and runs './interest.sh'. The script prompts for 'Amount' (234), 'Time' (3), and 'ROI' (3), then calculates and displays 'Simple Interest is: 21'. The script editor, titled 'interest.sh', shows the following code:

```
1 echo "Enter Amount:"
2 read p
3 echo "Enter Time:"
4 read t
5 echo "Enter ROI:"
6 read r
7
8 i=`expr $p \* $t \* $r `
9 i=`expr $i / 100 `
10
11 echo "Simple Interest is: $i"
12
```

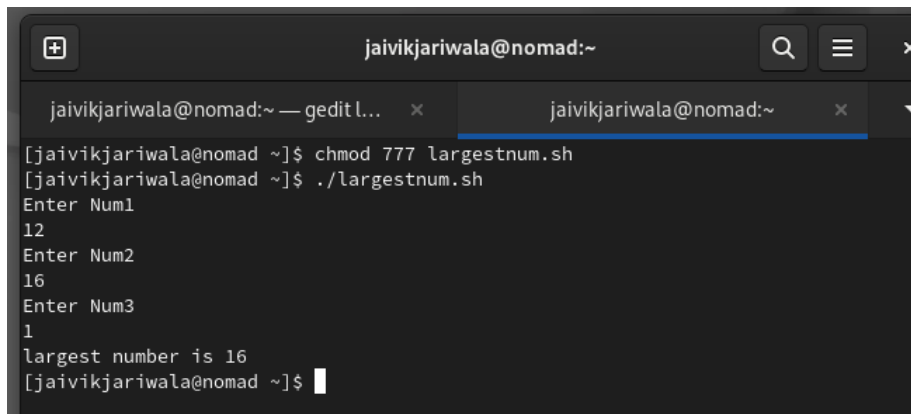
6) Write a shell script to find sum of “n” numbers.



The image shows a terminal window and a script editor. The terminal window, titled 'jaivikjariwala@nomad:~ — bash', shows the execution of a script named 'sumn.sh'. The user sets permissions with 'chmod 777 sumn.sh' and runs './sumn.sh'. The script prompts for 'Size(N)' (10) and 'Numbers'. It then displays an error message: 'sum: '=': No such file or directory'. The script editor, titled '*sumn.sh', shows the following code:

```
1 echo "Enter Size(N)"
2 read N
3 sum=0
4 echo "Enter Numbers"
5 for((i=1;i<=N;i++))
6 do
7     read num
8     sum=$((sum + num))
9 done
10 echo $sum
```

7) Write a shell script to find the largest number of three numbers.



```
jaivikjariwala@nomad:~  
[jaivikjariwala@nomad ~]$ chmod 777 largestnum.sh  
[jaivikjariwala@nomad ~]$ ./largestnum.sh  
Enter Num1  
12  
Enter Num2  
16  
Enter Num3  
1  
largest number is 16  
[jaivikjariwala@nomad ~]$
```



```
largestnum.sh  
~/  
1 echo "Enter Num1"  
2 read num1  
3 echo "Enter Num2"  
4 read num2  
5 echo "Enter Num3"  
6 read num3  
7  
8 if [ $num1 -gt $num2 ] && [ $num2 -gt $num3 ]  
9 then  
10     echo "largest number is" $num1  
11  
12 elif [ $num2 -gt $num1 ] && [ $num2 -gt $num3 ]  
13 then  
14     echo "largest number is" $num2  
15  
16 else  
17     echo "largest number is" $num3  
18  
19 fi
```