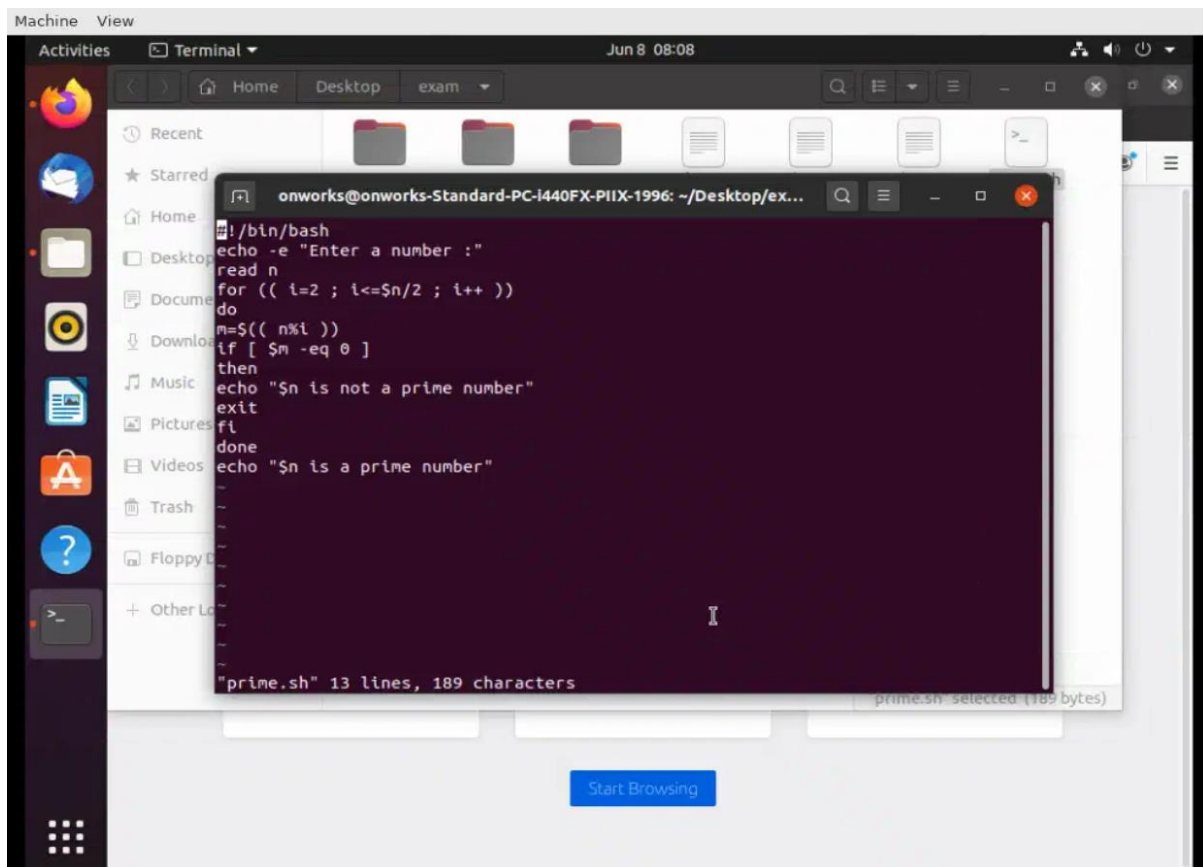




OSP SERIES 2

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Roll No 11

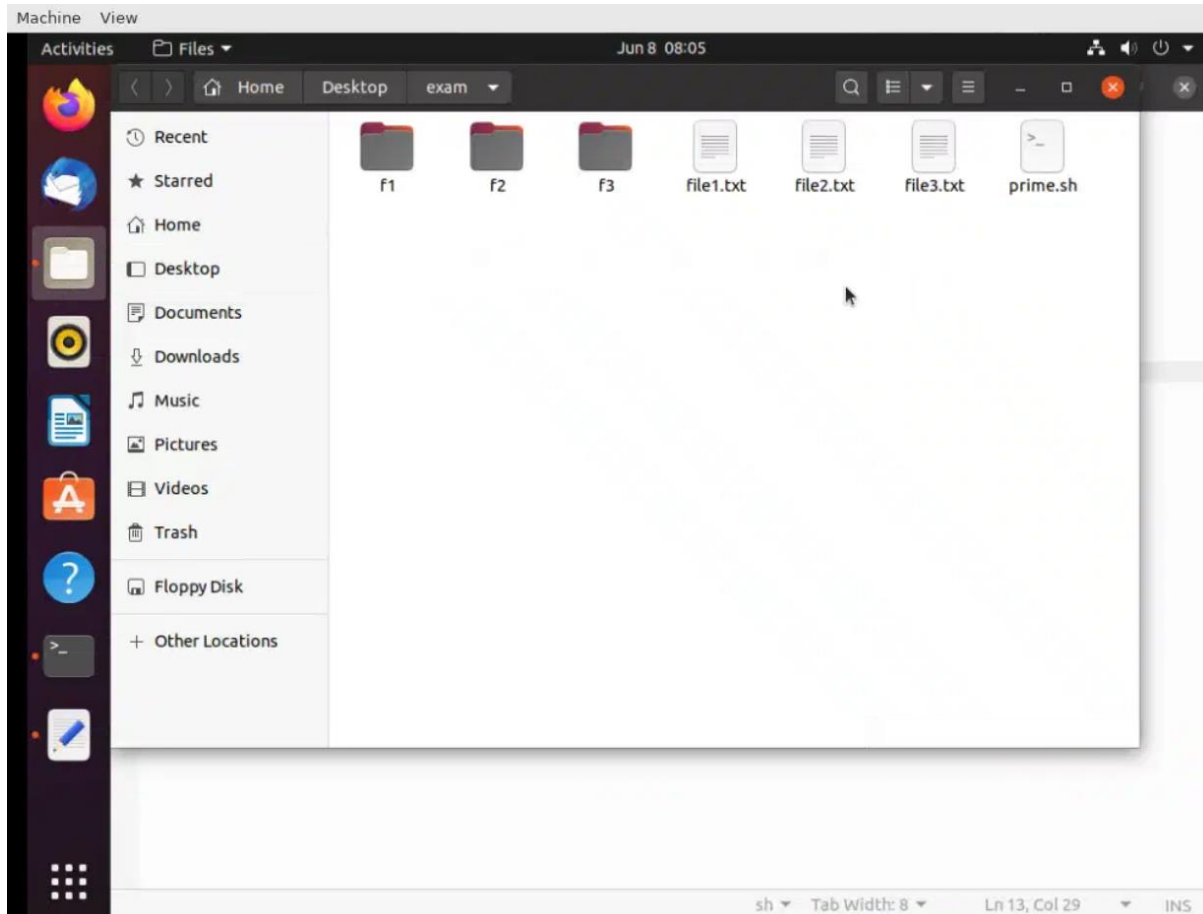
Program 1



The screenshot shows a Linux desktop environment with a terminal window open. The terminal window title is "onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop/ex...". The terminal displays the following script:

```
#!/bin/bash
echo -e "Enter a number : "
read n
for (( i=2 ; i<= $n/2 ; i++ ))
do
m=$(( n%i ))
if [ $m -eq 0 ]
then
echo "$n is not a prime number"
exit
fi
done
echo "$n is a prime number"
```

The terminal also shows the command prompt and the file name "prime.sh" with its statistics: "prime.sh" 13 lines, 189 characters. A status bar at the bottom of the terminal window indicates "prime.sh selected (189 bytes)".



Machine View

Jun 8 08:03

prime.sh
~/Desktop/exam

```
1 #!/bin/bash
2 echo -e "Enter a number : "
3 read n
4 for ((
5 do
6 n=$(( n
7 if [ $n
8 then
9 echo "5
10 exit
11 fi
12 done
13 echo "5
```

onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop/exam\$ bash prime.sh

Enter a number : 5

prime.sh: line 6: n\$: division by 0 (error token is "\$")

5 is a prime number

onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop/exam\$ bash prime.sh

Enter a number : 6

prime.sh: line 7: [1: command not found

5 is a prime number

onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop/exam\$ bash prime.sh

Enter a number : 6

prime.sh: line 7: [0: command not found

prime.sh: line 7: [0: command not found

6 is a prime number

onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop/exam\$ bash prime.sh

Enter a number : 5

5 is a prime number

onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop/exam\$ bash prime.sh

Enter a number : 6

6 is not a prime number

onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop/exam\$

sh Tab Width: 8 Ln 10, Col 6 INS

Machine View

Jun 8 07:58

onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop/exam

```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop$ mkdir exam
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop$ cd exam
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop/exam$ mkdir {f1,f2,f3}
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop/exam$ vi
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop/exam$ vi file1.txt
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop/exam$ vi file2.txt
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop/exam$ vi file3.txt
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop/exam$ ls
f1 f2 f3 file1.txt file2.txt file3.txt
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop/exam$ ls -l
total 24
drwxrwxr-x 2 onworks onworks 4096 Jun 8 07:37 f1
drwxrwxr-x 2 onworks onworks 4096 Jun 8 07:37 f2
drwxrwxr-x 2 onworks onworks 4096 Jun 8 07:37 f3
-rw-rw-r-- 1 onworks onworks 5 Jun 8 07:45 file1.txt
-rw-rw-r-- 1 onworks onworks 5 Jun 8 07:46 file2.txt
-rw-rw-r-- 1 onworks onworks 12 Jun 8 07:47 file3.txt
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop/exam$ vi prime.sh
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop/exam$
```

file1.txt - selected (5 bytes)

