

REPORT ON: Operating System Lab.

NAME: Sourav Sarkar

DEPARTMENT: CSE

ROLL NO: 18/CSE/118

SEMESTER: 5th

YEAR: 3rd

GROUP: D

SECTION: CSE2

ASSIGNMENT NO: 3

PROGRAM NO:

TITLE / OBJECTIVE: Shell Programming

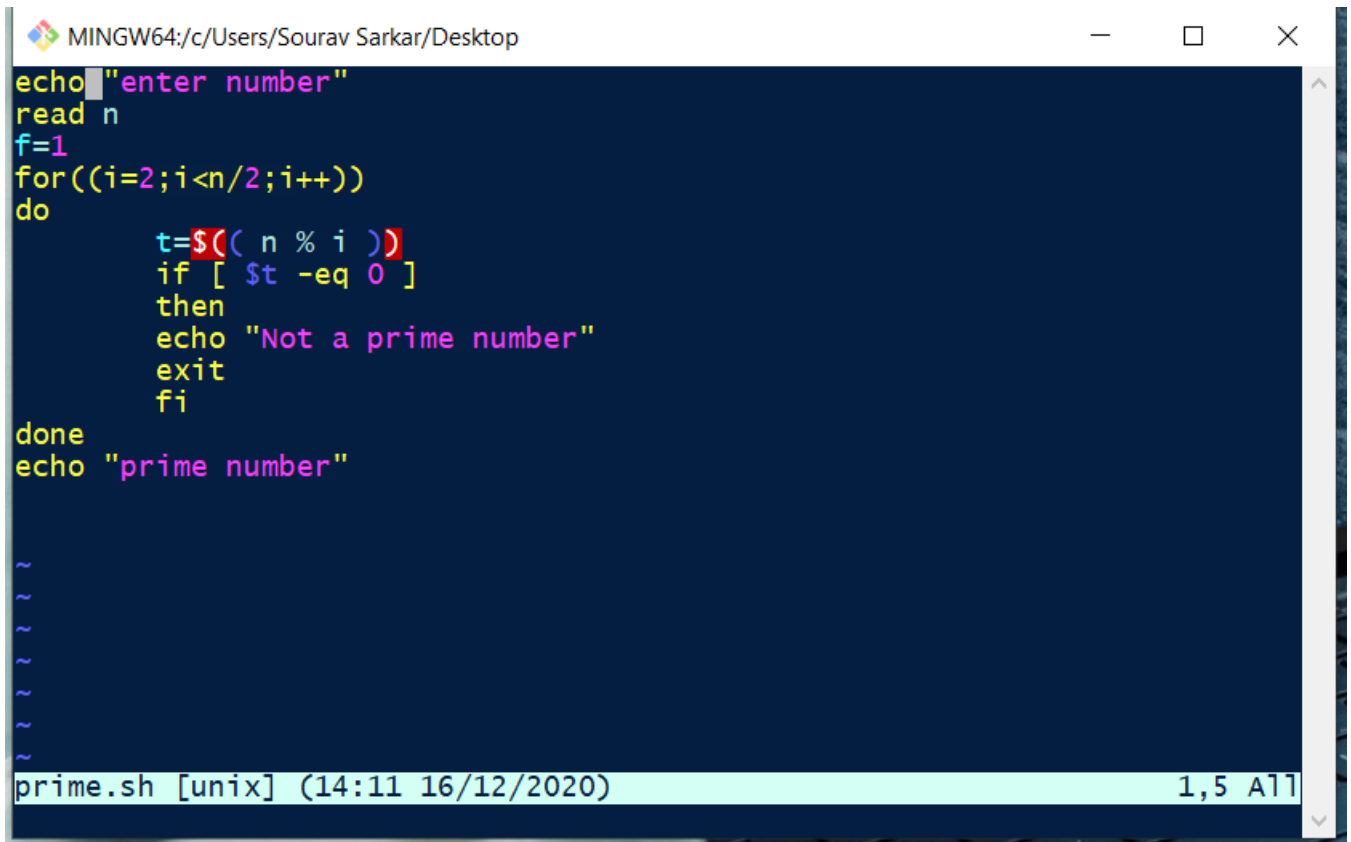
DATE OF PERFORMANCE: 16 /12/ 2020 **DATE OF SUBMISSION:** 23 /12/ 2020

EXAMINER'S SIGNATURE:



1.To check whether a number is prime or not

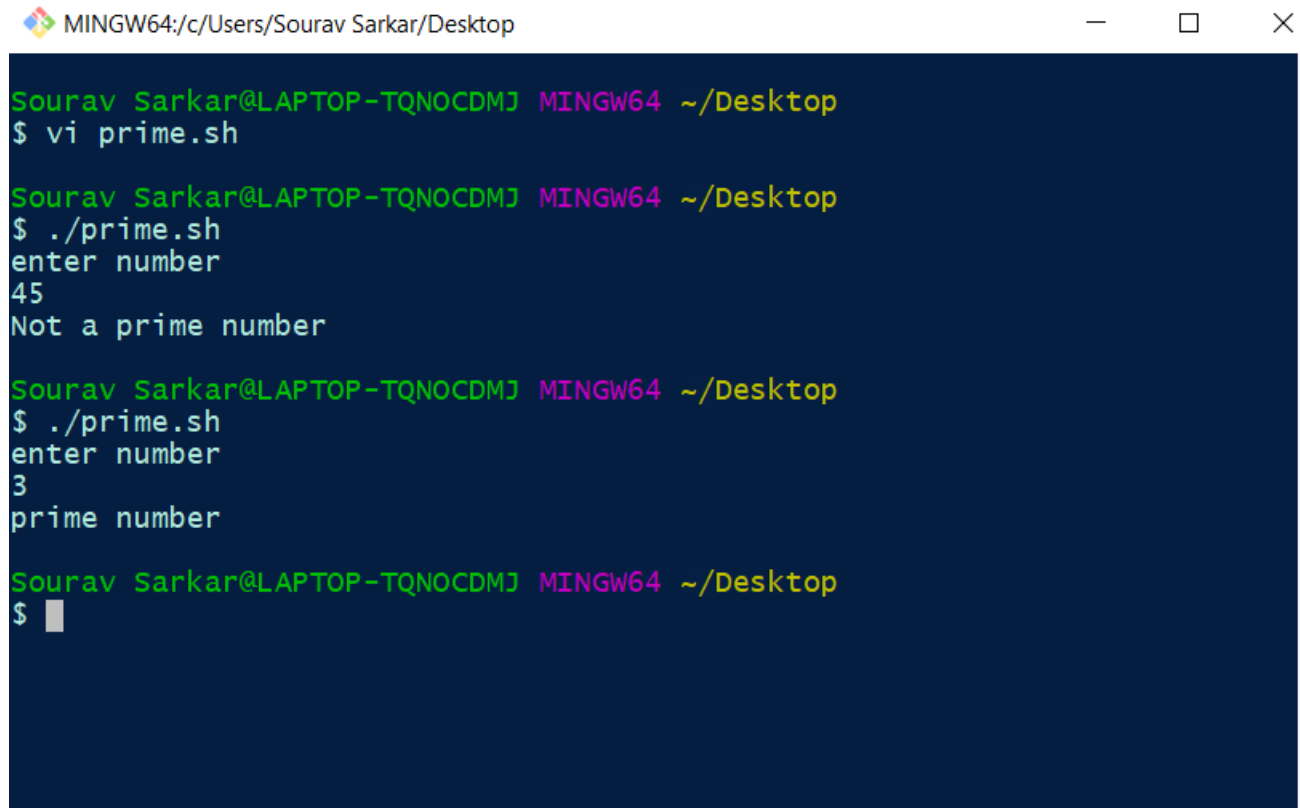
PROGRAM: -



```
MINGW64:/c:/Users/Sourav Sarkar/Desktop
echo "enter number"
read n
f=1
for((i=2;i<n/2;i++))
do
    t=$(( n % i ))
    if [ $t -eq 0 ]
    then
        echo "Not a prime number"
        exit
    fi
done
echo "prime number"

~
~
~
~
~
~
prime.sh [unix] (14:11 16/12/2020) 1,5 All
```

OUTPUT: -



```
MINGW64:/c/Users/Sourav Sarkar/Desktop
Sourav Sarkar@LAPTOP-TQNOCDMJ MINGW64 ~/Desktop
$ vi prime.sh

Sourav Sarkar@LAPTOP-TQNOCDMJ MINGW64 ~/Desktop
$ ./prime.sh
enter number
45
Not a prime number

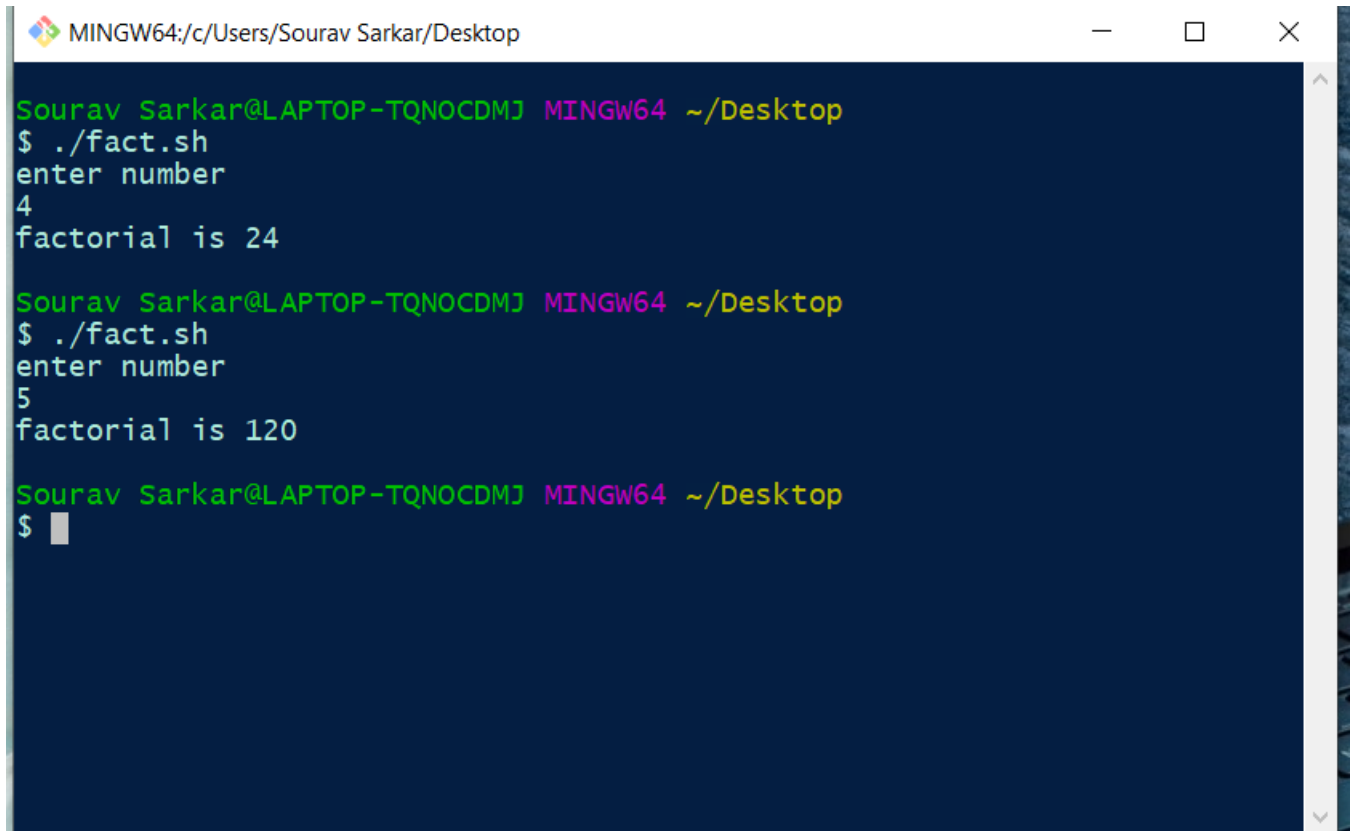
Sourav Sarkar@LAPTOP-TQNOCDMJ MINGW64 ~/Desktop
$ ./prime.sh
enter number
3
prime number

Sourav Sarkar@LAPTOP-TQNOCDMJ MINGW64 ~/Desktop
$
```

PROGRAM:-

Name: Sourav Sarkar ROLL: 18/CSE/118 CSE2

OUTPUT: -



The screenshot shows a terminal window titled "MINGW64:/c/Users/Sourav Sarkar/Desktop". The prompt is "Sourav Sarkar@LAPTOP-TQNOCDMJ MINGW64 ~/Desktop". The user enters the command "\$./fact.sh", which prompts "enter number". The user enters "4", and the output is "factorial is 24". The user then enters "5", and the output is "factorial is 120". Finally, the user enters a dollar sign "\$" at the prompt, and the cursor is positioned after it.

```
MINGW64:/c/Users/Sourav Sarkar/Desktop
Sourav Sarkar@LAPTOP-TQNOCDMJ MINGW64 ~/Desktop
$ ./fact.sh
enter number
4
factorial is 24

Sourav Sarkar@LAPTOP-TQNOCDMJ MINGW64 ~/Desktop
$ ./fact.sh
enter number
5
factorial is 120

Sourav Sarkar@LAPTOP-TQNOCDMJ MINGW64 ~/Desktop
$
```