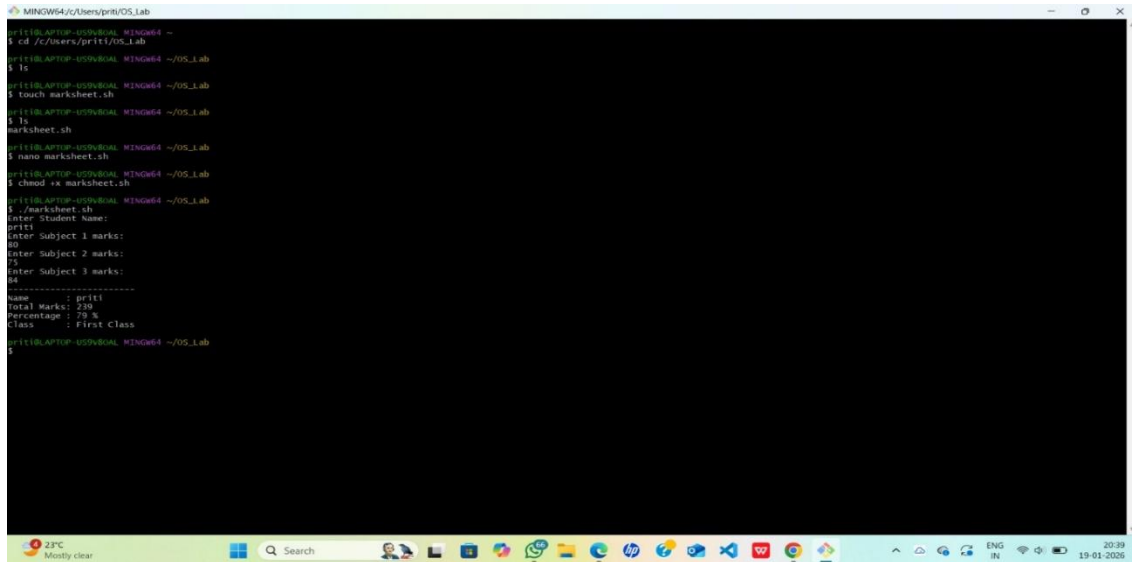


## OUTPUT

- A. Write a shell script to generate mark- sheet of a student. Take 3 subjects, calculate and display total marks, percentage and class obtained by the student.



```
priti@LAPTOP-US9V80AL MINGW64 ~
$ cd /c/users/priti/OS_Lab
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$ ls
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$ touch marksheet.sh
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$ ls
marksheet.sh
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$ nano marksheet.sh
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$ chmod +x marksheet.sh
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$ ./marksheet.sh
Enter Student name:
priti
Enter Subject 1 marks:
80
Enter Subject 2 marks:
75
Enter Subject 3 marks:
85
-----
Name      : priti
Total Marks: 239
Percentage : 79 %
Class     : First Class
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$
```

- B. Write a menu driven shell script which will print the following menu and execute the given task.

1. Display calendar of current month.

```
priti@LAPTOP-US9V80AL MINGW64 ~
$ touch menu.sh
priti@LAPTOP-US9V80AL MINGW64 ~
$ nano menu.sh
priti@LAPTOP-US9V80AL MINGW64 ~
$ chmod +x menu.sh
priti@LAPTOP-US9V80AL MINGW64 ~
$ ./menu.sh
1. Display calendar of current month
2. Display today's date and time
3. Display logged in user
4. Display terminal number
Enter your choice: 1
January 2026
```

2. Display today's date and time.

```
priti@LAPTOP-US9V80AL MINGW64 ~
$ ./menu.sh
1. Display calendar of current month
2. Display today's date and time
3. Display logged in user
4. Display terminal number
Enter your choice: 2
Mon Jan 19 22:06:50 IST 2026
```

3. Display usernames those are currently logged in the system.

```
priti@LAPTOP-US9V80AL MINGW64 ~  
$ ./menu.sh  
1. Display calendar of current month  
2. Display today's date and time  
3. Display logged in user  
4. Display terminal number  
Enter your choice: 3  
Currently logged in user:
```

4. Display your terminal number

```
priti@LAPTOP-US9V80AL MINGW64 ~  
$ ./menu.sh  
1. Display calendar of current month  
2. Display today's date and time  
3. Display logged in user  
4. Display terminal number  
Enter your choice: 4  
Terminal: Git Bash on Windows
```

- C. Write a shell script which will generate first n Fibonacci numbers like: 1, 1, 2, 3, 5, 13**

```
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab  
$ pwd  
/c/Users/priti/OS_Lab  
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab  
$ touch fibonacci.sh  
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab  
$ nano fibonacci.sh  
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab  
$ chmod +x fibonacci.sh  
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab  
$ ./Fibonacci.sh  
Enter number of terms:  
7  
Fibonacci series:  
1 1 2 3 5 8 13  
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab  
$
```

- D. Write a shell script which will accept a number b and display first n prime numbers as output.**

```
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$ touch prime.sh

priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$ nano prime.sh

priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$ chmod +x prime.sh

priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$ ./prime.sh
Enter number of prime numbers:
5
2 3 5 7 11
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$
```

## E. Write menu driven program for file handling activity

### 1. Creation of file.

```
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$ touch filehandling.sh

priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$ nano filehandling.sh

priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$ chmod +x filehandling.sh

priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$ ./filehandling.sh
1. Create a file
2. Write content in the file
3. Append content in the file
4. Delete file content
Enter your choice:
1
Enter file name to create:
test.txt
File test.txt created successfully.
```

### 2. Write content in the file.

```
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$ ./filehandling.sh
1. Create a file
2. Write content in the file
3. Append content in the file
4. Delete file content
Enter your choice:
2
Enter file name to write:
test.txt
Enter content:
Hello World
Content written to test.txt successfully.
```

### 3. Upend file content.

```
priti@LAPTOP-US9V80AL MINGW64 ~/OS_Lab
$ ./filehandling.sh
1. Create a file
2. Write content in the file
3. Append content in the file
4. Delete file content
Enter your choice:
3
Enter file name to append:
test.txt
Enter content to append:
This is OS lab.
Content appended to test.txt successfully.
```

#### 4. Delete file content.

```
priti@LAPTOP-US9V8OAL MINGW64 ~  
$ ./filehandling.sh  
1. Create a file  
2. Write content in the file  
3. Append content in the file  
4. Delete file content  
Enter your choice:  
4  
Enter file name to delete content:  
text.txt  
Content of text.txt deleted successfully.  
  
priti@LAPTOP-US9V8OAL MINGW64 ~  
$
```