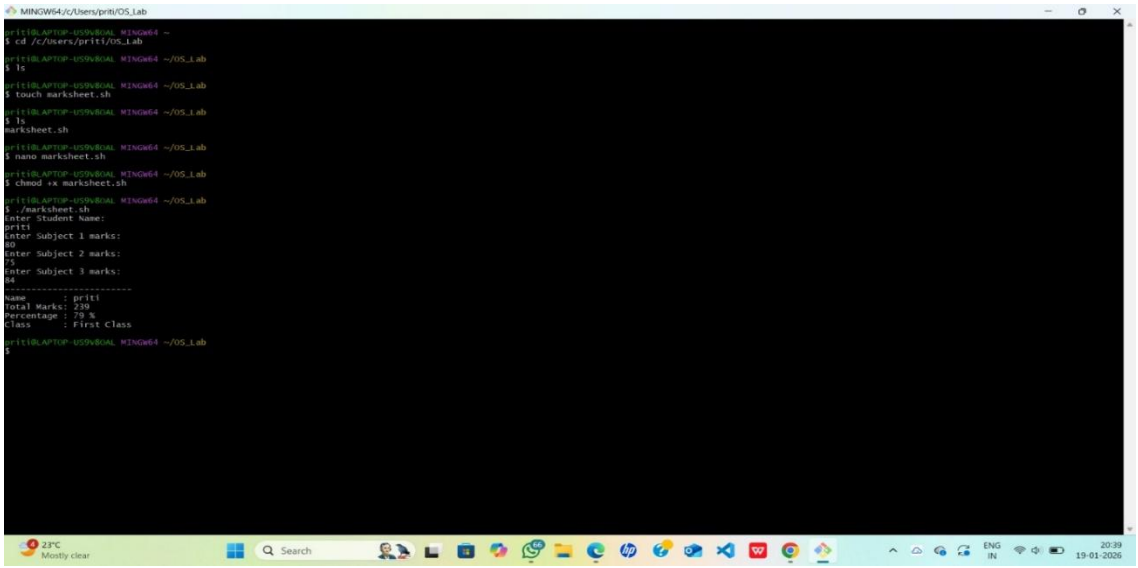
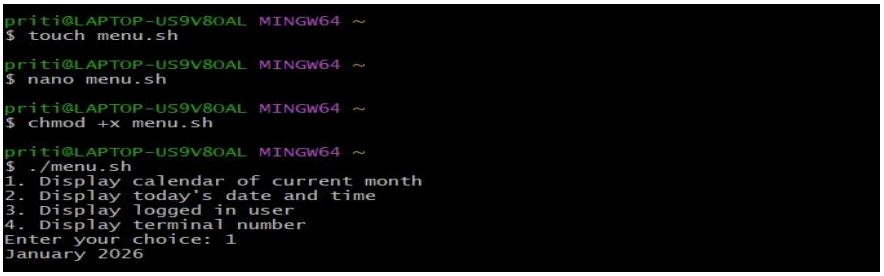
OUTPUT

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.

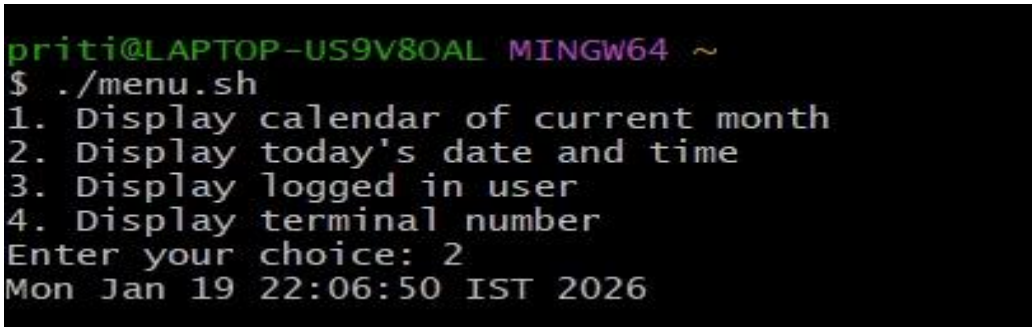


B. Write a menu driven shell script which will print the following menu and execute the given task.

1. Display calendar of current month.



2. Display today's date and time.



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

```
priti@LAPTOP-US9V8OAL 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-US9V8OAL 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-US9V8OAL MINGW64 ~/OS_Lab
$ pwd
/c/Users/priti/OS_Lab

priti@LAPTOP-US9V8OAL MINGW64 ~/OS_Lab
$ touch fibonacci.sh

priti@LAPTOP-US9V8OAL MINGW64 ~/OS_Lab
$ nano fibonacci.sh

priti@LAPTOP-US9V8OAL MINGW64 ~/OS_Lab
$ chmod +x fibonacci.sh

priti@LAPTOP-US9V8OAL MINGW64 ~/OS_Lab
$ ./fibonacci.sh
Enter number of terms:
7
Fibonacci series:
1 1 2 3 5 8 13
priti@LAPTOP-US9V8OAL MINGW64 ~/OS_Lab
$
```

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

```
priti@LAPTOP-US9V8OAL MINGW64 ~/OS_Lab
$ touch prime.sh

priti@LAPTOP-US9V8OAL MINGW64 ~/OS_Lab
$ nano prime.sh

priti@LAPTOP-US9V8OAL MINGW64 ~/OS_Lab
$ chmod +x prime.sh

priti@LAPTOP-US9V8OAL MINGW64 ~/OS_Lab
$ ./prime.sh
Enter number of prime numbers:
5
2 3 5 7 11
priti@LAPTOP-US9V8OAL MINGW64 ~/OS_Lab
$
```

E. Write menu driven program for file handling activity

1. Creation of file.

```
priti@LAPTOP-US9V8OAL MINGW64 ~/OS_Lab
$ touch filehandling.sh

priti@LAPTOP-US9V8OAL MINGW64 ~/OS_Lab
$ nano filehandling.sh

priti@LAPTOP-US9V8OAL MINGW64 ~/OS_Lab
$ chmod +x filehandling.sh

priti@LAPTOP-US9V8OAL 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-US9V8OAL 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-US9V8OAL 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 ~
$
```