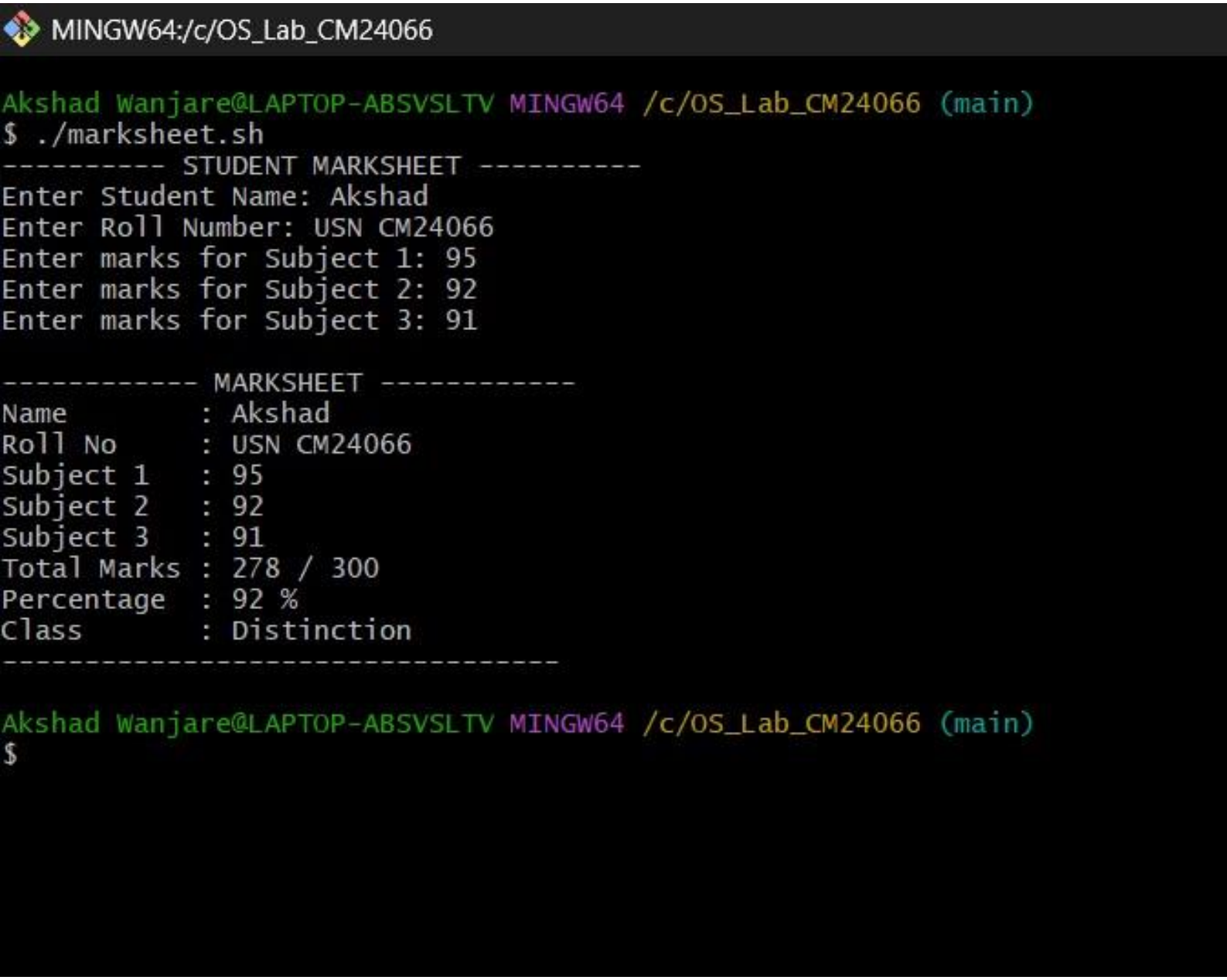
1) Write a shell script generate mark-sheet of a student. Take 3 subjects, calculate and display total marks, percentage and class obtained by the student.



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

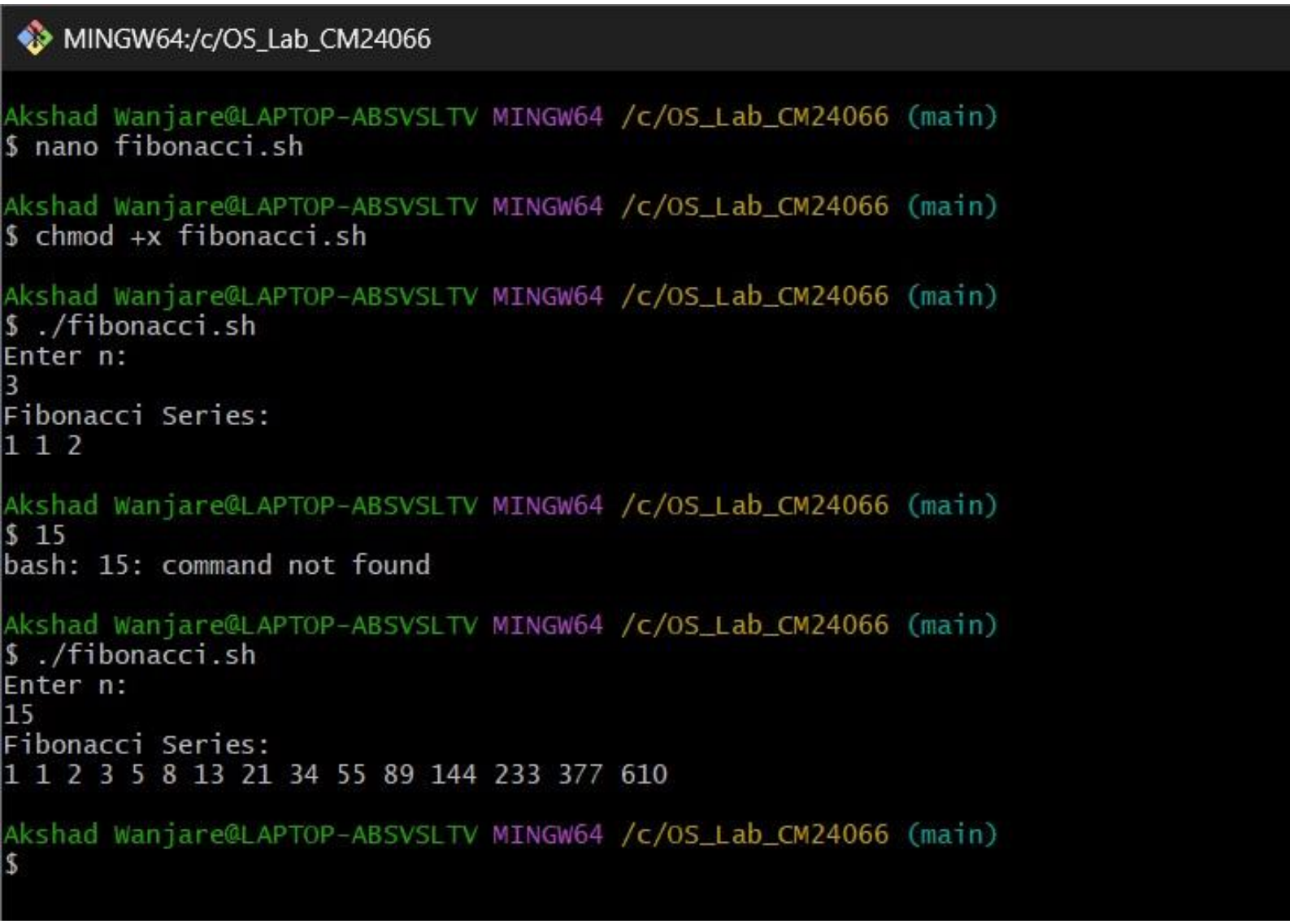
- Display calendar of current month
- Display today's date and time
- Display user names those are currently logged in the system
- Display your terminal number

MINGW64:/c/OS_Lab_CM24066

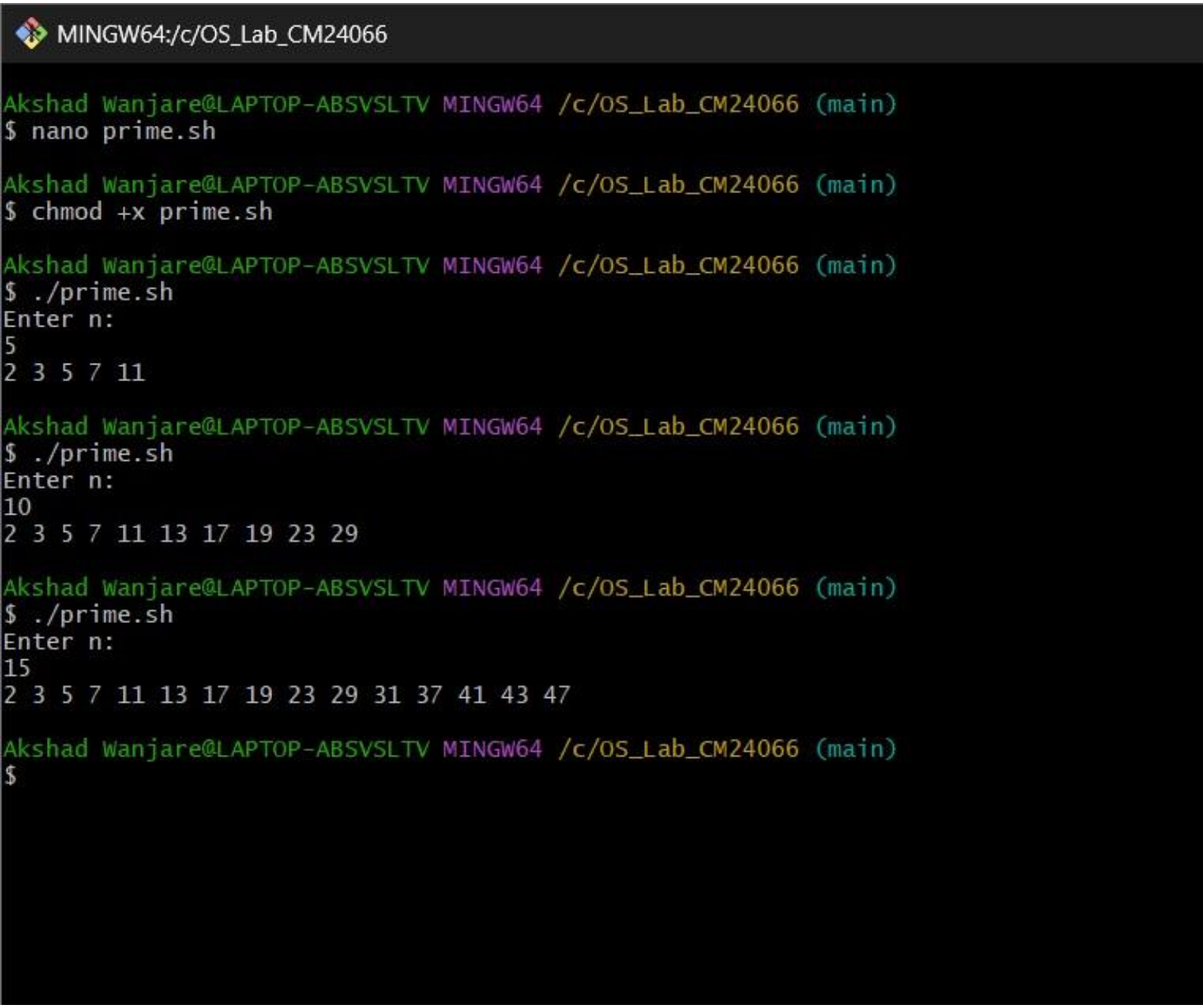
```
Akshad Wanjare@LAPTOP-ABSVSLTV MINGW64 /c/OS_Lab_CM24066 (main)
$ ./menu.sh
----------------------------
        MENU PROGRAM
----------------------------
1. Display calendar of current month
2. Display today's date and time
3. Display usernames currently logged in
4. Display your terminal number
5. Exit
----------------------------
Enter your choice: 1
Tue Jan 20 14:25:17 IST 2026
----------------------------
        MENU PROGRAM
----------------------------
1. Display calendar of current month
2. Display today's date and time
3. Display usernames currently logged in
4. Display your terminal number
5. Exit
----------------------------
Enter your choice: 2
Tue Jan 20 14:25:18 IST 2026
----------------------------
        MENU PROGRAM
----------------------------
1. Display calendar of current month
2. Display today's date and time
3. Display usernames currently logged in
4. Display your terminal number
5. Exit
----------------------------
Enter your choice: 3
Akshad Wanjare
----------------------------
        MENU PROGRAM
----------------------------
1. Display calendar of current month
2. Display today's date and time
3. Display usernames currently logged in
4. Display your terminal number
5. Exit
----------------------------
Enter your choice: 4
/dev/pty0
----------------------------
        MENU PROGRAM
----------------------------
1. Display calendar of current month
2. Display today's date and time
3. Display usernames currently logged in
4. Display your terminal number
5. Exit
----------------------------
Enter your choice: 5
Exiting...

Akshad Wanjare@LAPTOP-ABSVSLTV MINGW64 /c/OS_Lab_CM24066 (main)
$
```

3) Write a shell script which with generate first n Fibonacci numbers like: 1, 1, 2, 3, 5, 13



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



5) Write menu driven program for file handling activity
- Creation of file
- Write content in the file
- Upend file content
- Delete file content

```
MINGW64:/c/OS_Lab_CM24066

Akshad Wanjare@LAPTOP-ABSVSLTV MINGW64 /c/OS_Lab_CM24066 (main)
$ nano file.sh

Akshad Wanjare@LAPTOP-ABSVSLTV MINGW64 /c/OS_Lab_CM24066 (main)
$ chmod +x file.sh

Akshad Wanjare@LAPTOP-ABSVSLTV MINGW64 /c/OS_Lab_CM24066 (main)
$ ./file.sh
-------------------------------------
       FILE HANDLING MENU
1. Create a file
2. Write content to file
3. Append content to file
4. Delete file content
5. Exit
-------------------------------------
Enter your choice (1-5): 1
Enter file name to create: Akshad
File created successfully.

Press Enter to continue...
-------------------------------------
       FILE HANDLING MENU
1. Create a file
2. Write content to file
3. Append content to file
4. Delete file content
5. Exit
-------------------------------------
Enter your choice (1-5): 2
Enter file name to write: Akshad
Enter content (Press CTRL+D to save):
USN CM24066
Content written successfully.

Press Enter to continue...
-------------------------------------
       FILE HANDLING MENU
1. Create a file
2. Write content to file
3. Append content to file
4. Delete file content
5. Exit
-------------------------------------
Enter your choice (1-5): 3
Enter file name to append: Akshad
Enter content to append (Press CTRL+D to save):
Sec B CSE(AI&ML)
Content appended successfully.

Press Enter to continue...
-------------------------------------
```

```
       FILE HANDLING MENU
1. Create a file
2. Write content to file
3. Append content to file
4. Delete file content
5. Exit
---------------------------------------
Enter your choice (1-5): 3
Enter file name to append: Akshad
Enter content to append (Press CTRL+D to save):
Sec B CSE(AI&ML)
Content appended successfully.

Press Enter to continue...
---------------------------------------
       FILE HANDLING MENU
1. Create a file
2. Write content to file
3. Append content to file
4. Delete file content
5. Exit
---------------------------------------
Enter your choice (1-5): 4
Enter file name to delete content: Akshad
File content deleted successfully.

Press Enter to continue...
---------------------------------------
       FILE HANDLING MENU
1. Create a file
2. Write content to file
3. Append content to file
4. Delete file content
5. Exit
---------------------------------------
Enter your choice (1-5): 5
Exiting... Goodbye!

Akshad Wanjare@LAPTOP-ABSVSLTV MINGW64 /c/OS_Lab_CM24066 (main)
$
```