

1. 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.

```
student@student-BY-OEM:~$ nano filename.sh
student@student-BY-OEM:~$ chmod +x filename.sh
student@student-BY-OEM:~$ ./filename.sh
Enter Student Name:
Soumya
Enter marks for Subject 1:
20
Enter marks for Subject 2:
50
Enter marks for Subject 3:
60
student@student-BY-OEM:~$ 50
50: command not found
student@student-BY-OEM:~$ nano filename.sh
student@student-BY-OEM:~$ chmod +x filename.sh
student@student-BY-OEM:~$ ./filename.sh
Enter Student Name:
Soumya Dhakate
Enter marks for Subject 1:
40
Enter marks for Subject 2:
50
Enter marks for Subject 3:
60

-----
Name: Soumya Dhakate
Total Marks: 150
Percentage: 50%
Class: Second Calss
-----
student@student-BY-OEM:~$ nano filename.sh
```

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 usernames those are currently logged in the system.
- Display your terminal number

```
soumya_12@LAPTOP-FGRBP1EK:~$ nano menu.sh
soumya_12@LAPTOP-FGRBP1EK:~$ chmod +x menu.sh
soumya_12@LAPTOP-FGRBP1EK:~$ ./menu.sh

-----
MENU DRIVEN SCRIPT
-----
1.Display calendar of current month
2.Display today's date and time
3.Display logged-in users
4.Display terminal numbers
5.Exit
-----
Enter your choice: 1
Calender of current month:

    January 2026          February 2026          March 2026
Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa
                1  2  3    1  2  3  4  5  6  7    1  2  3  4  5  6  7
  4  5  6  7  8  9 10    8  9 10 11 12 13 14    8  9 10 11 12 13 14
11 12 13 14 15 16 17    15 16 17 18 19 20 21    15 16 17 18 19 20 21
18 19 20 21 22 23 24    22 23 24 25 26 27 28    22 23 24 25 26 27 28
25 26 27 28 29 30 31    29 30 31

    April 2026           May 2026           June 2026
Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa
                1  2  3  4                1  2                1  2  3  4  5  6
  5  6  7  8  9 10 11    3  4  5  6  7  8  9    7  8  9 10 11 12 13
12 13 14 15 16 17 18    10 11 12 13 14 15 16    14 15 16 17 18 19 20
19 20 21 22 23 24 25    17 18 19 20 21 22 23    21 22 23 24 25 26 27
26 27 28 29 30          24 25 26 27 28 29 30    28 29 30
                        31

    July 2026            August 2026           September 2026
Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa  Su Mo Tu We Th Fr Sa
                1  2  3  4                1                1  2  3  4  5
  5  6  7  8  9 10 11    2  3  4  5  6  7  8    6  7  8  9 10 11 12
12 13 14 15 16 17 18    9 10 11 12 13 14 15    13 14 15 16 17 18 19
19 20 21 22 23 24 25    16 17 18 19 20 21 22    20 21 22 23 24 25 26
26 27 28 29 30 31      23 24 25 26 27 28 29    27 28 29 30
```

| October 2026 | | | | | | | November 2026 | | | | | | | December 2026 | | | | | | |
|--------------|----|----|----|----|----|----|---------------|----|----|----|----|----|----|---------------|----|----|----|----|----|----|
| Su | Mo | Tu | We | Th | Fr | Sa | Su | Mo | Tu | We | Th | Fr | Sa | Su | Mo | Tu | We | Th | Fr | Sa |
| | | | | 1 | 2 | 3 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | 1 | 2 | 3 | 4 | 5 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 | 29 | 30 | | | | | | 27 | 28 | 29 | 30 | 31 | | |

MENU DRIVEN SCRIPT

1.Display calendar of current month
2.Display today's date and time
3.Display logged-in users
4.Display terminal numbers
5.Exit

Enter your choice: 2
Today's Date and Time:
Mon Feb 2 17:01:41 UTC 2026

MENU DRIVEN SCRIPT

1.Display calendar of current month
2.Display today's date and time
3.Display logged-in users
4.Display terminal numbers
5.Exit

Enter your choice: 3
Users currently logged in:
soumya_12 pts/1 2026-02-02 16:57

MENU DRIVEN SCRIPT

1.Display calendar of current month
2.Display today's date and time
3.Display logged-in users
4.Display terminal numbers
5.Exit

Enter your choice: 4
Your terminal number:
/dev/pts/0

MENU DRIVEN SCRIPT

1.Display calendar of current month
2.Display today's date and time
3.Display logged-in users
4.Display terminal numbers
5.Exit

Enter your choice: 5
soumya_12@LAPTOP-FGRBP1EK:~\$ |

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

```
Exiting...
soumya_12@LAPTOP-FGRBP1EK:~$ nano fibo.sh
soumya_12@LAPTOP-FGRBP1EK:~$ chmod +x fibo.sh
soumya_12@LAPTOP-FGRBP1EK:~$ ./fibo.sh
```

```
-----
FIBONACCI SERIES
-----
```

```
Enter numbers of terms:5
```

```
Fibonacci Series:
```

```
1 1 2 3 5
```

```
soumya_12@LAPTOP-FGRBP1EK:~$ |
```

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

```
bash: ./prime.sh: cannot execute: required file not found
soumya_12@LAPTOP-FGRBP1EK:~$ nano prime.sh
soumya_12@LAPTOP-FGRBP1EK:~$ chmod +x prime.sh
soumya_12@LAPTOP-FGRBP1EK:~$ ./prime.sh
Enter value of n: 5
First 5 prime numbers are:
2 3 5 7 11
soumya_12@LAPTOP-FGRBP1EK:~$ |
```

5. Write menu driven program for file handling activity

- Creation of file.
- Write content in the file.
- Upend file content.
- Delete file content

```
soumya_12@LAPTOP-FGRBP1EK:~$ nano filemenu.sh
soumya_12@LAPTOP-FGRBP1EK:~$ chmod +x filemenu.sh
soumya_12@LAPTOP-FGRBP1EK:~$ ./filemenu.sh
```

FILE HANDLING

- ```

1. Create File
2. Write Content to File
3. Append File Content
4. Delete File Content
5. Exit
```

```

Enter your choice:
```

```
1
```

```
Enter file name:
```

```
Soumya
```

```
File Created Successfully.
```

### FILE HANDLING

- ```
-----
1. Create File
2. Write Content to File
3. Append File Content
4. Delete File Content
5. Exit
```

```
-----
Enter your choice:
```

```
2
```

```
Enter file name:
```

```
Soumya
```

```
Enter content (Ctrl + D to save):
```

```
Hello I am Soumya Ramratan Dhakate.
```

```
-----
FILE HANDLING
-----
1. Create File
2. Write Content to File
3. Append File Content
4. Delete File Content
5. Exit
-----
Enter your choice:
3
Enter file name:
Soumya
Enter content to append (Ctrl + D to save):
Hello I am Soumya Ramratan Dhakate and my USN NO. is CM24050
-----
```

```
FILE HANDLING
-----
1. Create File
2. Write Content to File
3. Append File Content
4. Delete File Content
5. Exit
-----
Enter your choice:
4
Enter file name:
Soumya
File Deleted Successfully.
-----
```

```
FILE HANDLING
-----
1. Create File
2. Write Content to File
3. Append File Content
4. Delete File Content
5. Exit
-----
Enter your choice:
5
Exiting...
```

