

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
_____
```

**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, 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.**

```
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 (Clrt + 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 (Clrt + 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...
```

