

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.

```
Last login: Mon Jan 19 21:28:02 on ttys000
(base) sakshirakhade@Sakshis-MacBook-Air ~ % mkdir shell_practical
cd shell_practical
mkdir: shell_practical: File exists
(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % touch script1.sh
chmod +x script1.sh

(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % nano marksheet.sh

(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % chmod +x marksheet.sh
./marksheet.sh

Enter Student Name:
Ram Sharma
Enter marks of Subject 1:
90
Enter marks of Subject 2:
89
Enter marks of Subject 3:
90
-----
Student Name : Ram Sharma
Total Marks  : 269
Percentage   : 89%
Class Obtained: Distinction
(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % █
```

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

- Display calendar of current month

```
(base) sakshirakhade@Sakshis-MacBook-Air ~ % mkdir shell_practical
cd shell_practical

mkdir: shell_practical: File exists
(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % touch script1.sh
chmod +x script1.sh

(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % nano menu.sh

(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % chmod +x menu.sh
./menu.sh

1. Display current month calendar
2. Display today's date and time
3. Display logged in users
4. Display first n prime numbers
Enter your choice:
1
    January 2026
Su Mo Tu We Th Fr Sa
                1  2  3
 4  5  6  7  8  9 10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29 30 31
```

- Display today's date and time

```
[(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % nano menu.sh
(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % chmod +x menu.sh
./menu.sh

1. Display current month calendar
2. Display today's date and time
3. Display logged in users
4. Display first n prime numbers
Enter your choice:
2
Mon Jan 19 21:42:10 IST 2026
```

- Display usernames those are currently logged in the system

```
(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % chmod +x menu.sh
./menu.sh

1. Display current month calendar
2. Display today's date and time
3. Display logged in users
4. Display first n prime numbers
Enter your choice:
3
sakshirakhade    console      17 Jan 20:03
sakshirakhade    ttys000     19 Jan 21:40
```

- Display your terminal number

```
(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % chmod +x menu.sh
./menu.sh

1. Display current month calendar
2. Display today's date and time
3. Display logged in users
4. Display first n prime numbers
Enter your choice:
4
Enter n:
4
2
3
5
7
(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % █
```

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

```
(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % nano fibonacci.sh

(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % chmod +x fibonacci.sh
./fibonacci.sh

Enter number of terms:
6
Fibonacci Series:
1
1
2
3
5
8
(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % █
```

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

```
(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % nano evenodd.sh

(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % chmod +x evenodd.sh
./evenodd.sh

Enter a number:
10
Number is Even
(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % chmod +x evenodd.sh
./evenodd.sh

Enter a number:
5
Number is Odd
(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % █
```

5. Write menu driven program for file handling activity

- Creation of file

```
(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % nano filemenu.sh

(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % chmod +x filemenu.sh
./filemenu.sh

1. Create File
2. Write to File
3. Append to File
4. Delete File
5. Display Terminal Number
Enter choice:
1
Enter filename:
Demo_OS
File created
```

- Write content in the file

```
(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % chmod +x filemenu.sh
./filemenu.sh

1. Create File
2. Write to File
3. Append to File
4. Delete File
5. Display Terminal Number
Enter choice:
2
Enter filename:
Demo_OS
Enter content:
Hello World!!!!
```

- Upend file content

```
(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % chmod +x filemenu.sh
./filemenu.sh

1. Create File
2. Write to File
3. Append to File
4. Delete File
5. Display Terminal Number
Enter choice:
3
Enter filename:
Demo_OS
Enter content to append:
Hello World!!!!
```

- Delete file content

```
(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % chmod +x filemenu.sh
./filemenu.sh

1. Create File
2. Write to File
3. Append to File
4. Delete File
5. Display Terminal Number
Enter choice:
4
Enter filename:
Demo_OS
File deleted
(base) sakshirakhade@Sakshis-MacBook-Air shell_practical % █
```