

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. Take 3 subjects, calculate and display total marks, percentage and Class obtained by the student.

```
MINGW64:/c/Users/hp/OneDrive/Desktop/shell_practical
$ mkdir shell_practical
$ cd shell_practical
$ nano practical3.sh
Kashish@LAPTOP-K3596DKL MINGW64 ~/OneDrive/Desktop/shell_practical
$ nano practical3.sh
Kashish@LAPTOP-K3596DKL MINGW64 ~/OneDrive/Desktop/shell_practical
$ echo 'Hello World' > practical3.sh
Kashish@LAPTOP-K3596DKL MINGW64 ~/OneDrive/Desktop/shell_practical
$ bash practical3.sh
Hello world
Kashish@LAPTOP-K3596DKL MINGW64 ~/OneDrive/Desktop/shell_practical
$ nano marksheet.sh
Kashish@LAPTOP-K3596DKL MINGW64 ~/OneDrive/Desktop/shell_practical
$ nano marksheet.sh
Kashish@LAPTOP-K3596DKL MINGW64 ~/OneDrive/Desktop/shell_practical
$ bash marksheet.sh
Enter marks for subject 1:
80
Enter marks for subject 2:
90
Enter marks for subject 3:
95
-----
Total Marks: 265
Percentage: 68%
Class: Distinction
Kashish@LAPTOP-K3596DKL MINGW64 ~/OneDrive/Desktop/shell_practical
$
```

2. Menu Driven System Tasks 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

```
Kashish@LAPTOP-K3596DKL MINGW64 ~
$ nano menu.sh

Kashish@LAPTOP-K3596DKL MINGW64 ~
$ bash menu.sh
--- MENU ---
1. Display Calendar of current month
2. Display Today's date and time
3. Display Usernames currently logged in
4. Display your Terminal number
Enter your choice:
1
January 2026

Kashish@LAPTOP-K3596DKL MINGW64 ~
$ |
```

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



```
Windows PowerShell x Windows PowerShell x + x
Windows PowerShell
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PS C:\Users\hp> notepad fibo.ps1
PS C:\Users\hp> Set-ExecutionPolicy -Scope Process -ExecutionPolicy Bypass
PS C:\Users\hp> .\fibo.ps1
Enter the number of terms: 10
Fibonacci Series:
0 1 1 2 3 5 8 13 21 34
PS C:\Users\hp>
```

4. Prime Numbers, Write a shell script which will accept a number \$b\$ and display first \$n\$ prime numbers as output.



```
PS C:\Users\hp>
PS C:\Users\hp> notepad prime.ps1
PS C:\Users\hp> .\prime.ps1
Enter the range (n): 10
Prime numbers are:
2 3 5 7
PS C:\Users\hp> |
```

5. File Handling Menu Write menu driven program for file handling activity: Creation of file Write content in the file ,Upend (Append) file content Delete file content .

```
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PS C:\Users\hp> notepad fileop.ps1
PS C:\Users\hp> Set-ExecutionPolicy -Scope Process -ExecutionPolicy Bypass
PS C:\Users\hp> .\fileop.ps1
--- File Operations ---
1. Create File
2. Write File
3. Append File
4. Delete File
Choice: 2
Enter filename (e.g., test.txt): pract.txt
Text: Hello, this is my practical 3
Written
PS C:\Users\hp>
```