

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
Kashish@LAPTOP-K3596DKL MINGW64 ~/OneDrive/Desktop
$ mkdir shell_practical
$ cd shell_practical
$ nano practical3.sh
$ nano practical3.sh
$ echo 'echo "Hello world"' > practical3.sh
$ bash practical3.sh
Hello world
$ nano marksheet.sh
$ nano marksheet.sh
$ 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: 88%
Class: Distinction
$
```

2. Menu Driven System Tasks Write a menu driven shell script which will print the following menu and execute the given task:

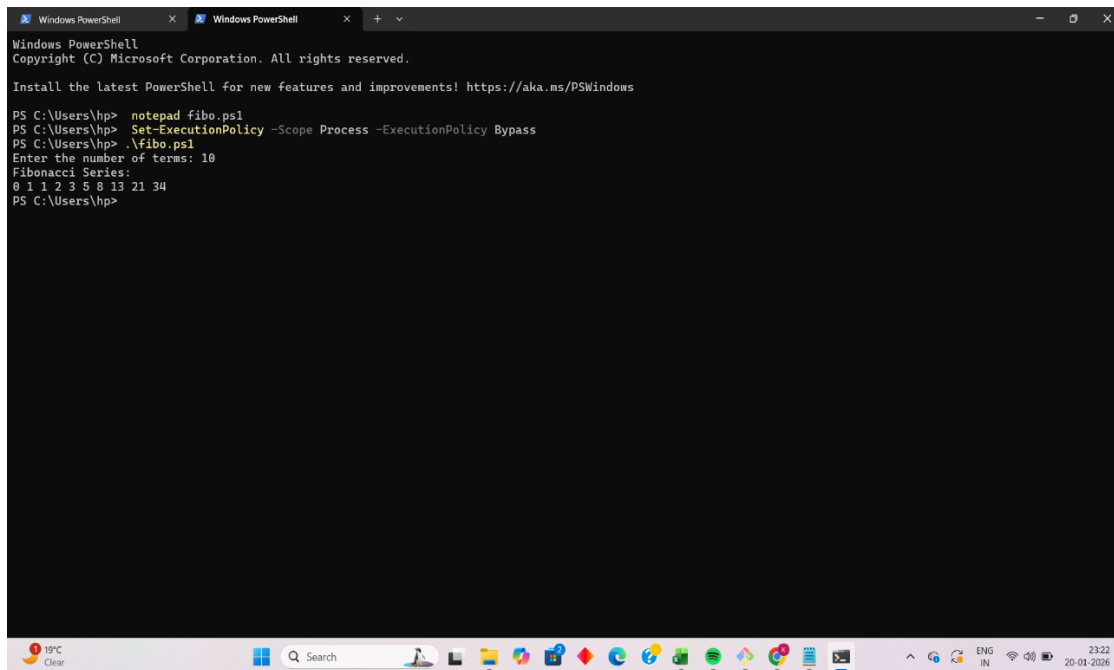
- Display calendar of current month.
- Display today's date and time
- Display usernames those are currently logged in the system
- Display your terminal number

```
MINGW64/c/Users/hp
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...

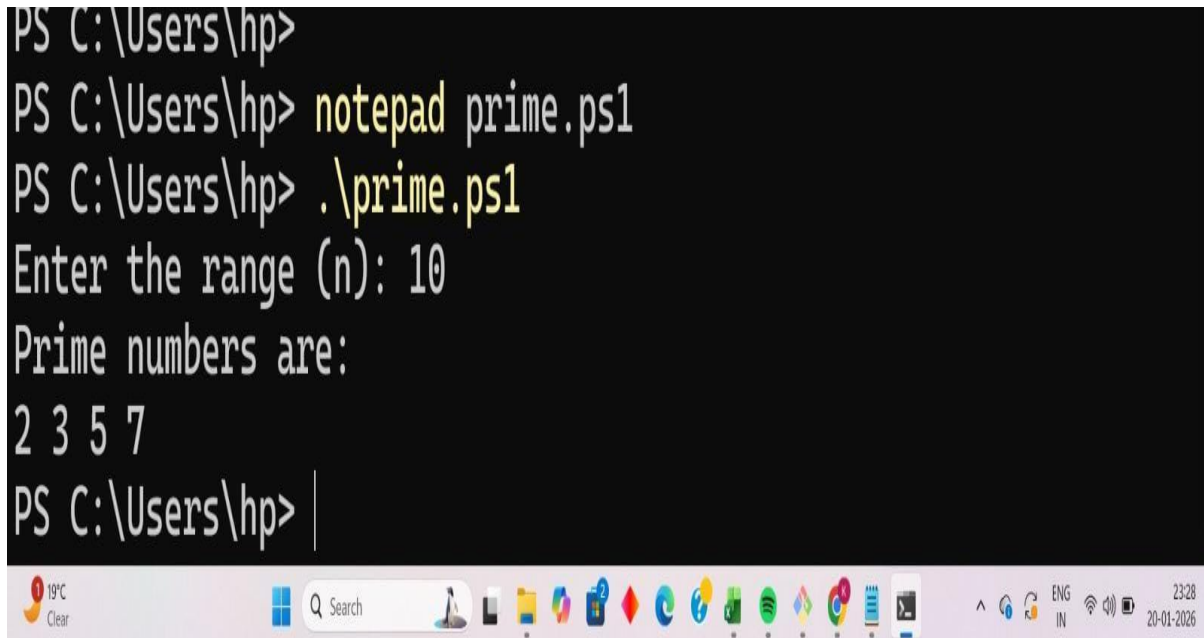


```
Windows PowerShell
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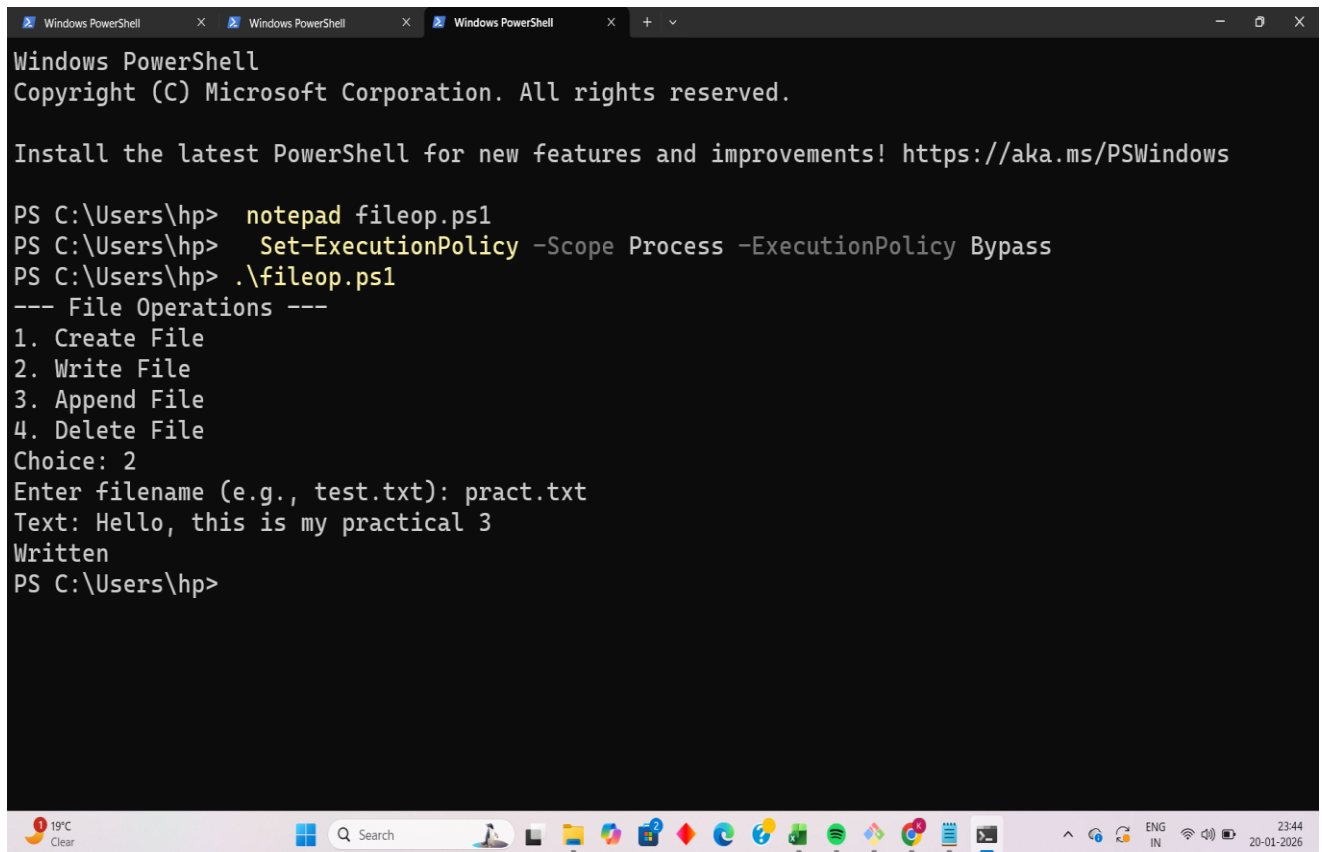
PS C:\Users\hp> notepad fibo.ps1
PS C:\Users\hp> Set-ExecutionPolicy -Scope Process -ExecutionPolicy Bypass
PS C:\Users\hp> .\fibo.ps1
Enter the number of terms: 10
Fibonacci Series:
0 1 1 2 3 5 8 13 21 34
PS C:\Users\hp>
```

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>
```

The screenshot shows a Windows PowerShell terminal window with three tabs. The active tab displays the execution of a PowerShell script named 'fileop.ps1'. The script prompts the user to choose a file operation from a menu. The user has selected '2. Write File'. The script then prompts for a filename, which is 'pract.txt', and a text string, which is 'Hello, this is my practical 3'. Finally, it displays 'Written' and returns to the PowerShell prompt. The Windows taskbar at the bottom shows the system clock as 23:44 on 20-01-2026, and the language is set to ENG IN.