**Practical: Day01**

**COMMAND PROMPT PRACTICAL**

1: Creating a Batch script

1.open the text editor

2.write the script

{ this script uses basic batch commands like

mkdir -make directory

cd -change directory

cd.. -parent directory of your current directory

}

Code:

mkdir criteria\_1

cd criteria\_1

mkdir standard\_1

mkdir standard\_2

cd..

mkdir criteria\_2

cd criteria\_2

mkdir standard\_1

mkdir standard\_2

cd..

mkdir criteria\_3

cd criteria\_3

mkdir standard\_1

mkdir standard\_2

mkdir standard\_3

cd..

mkdir criteria\_4

cd criteria\_4

mkdir standard\_1

mkdir standard\_2

mkdir standard\_3

cd..

mkdir criteria\_5

cd criteria\_5

mkdir standard\_1

mkdir standard\_2

mkdir standard\_3

cd..

mkdir criteria\_6

cd criteria\_6

mkdir standard\_1

mkdir standard\_2

mkdir standard\_3

3.Save and Run Batch Script

Save=> the file with .bat extension

Execute=> Locate the .bat file in File Explorer.

Double-click on the file to execute the script.

The script will automatically create the directory structure in the location

where the .bat file is executed.

**2:CMD basic commands**

**color**:

The color settings you change will only persist for the duration of the session

(until you close the Command Prompt).

Ex: color a -light green

0 = Black 8 = Gray

1 = Blue 9 = Light Blue

2 = Green A = Light Green

3 = Aqua B = Light Aqua

4 = Red C = Light Red

5 = Purple D = Light Purple

6 = Yellow E = Light Yellow

7 = White F = Bright White

**date**:

If you enter a current date that show The current date is: 23/03/2025

If you need to change the date you can enter date this formate (dd-mm-yy)

Output:

The current date is: 03/23/2025

Enter new date (MM-DD-YY):

**Time**

IF you want to see a time you enter a time

output:

The current time is: 13:44:26.04

**3: Simple command in script**

1.Open the text Editor

2.Write the code

**Code**:

@echo off

echo username:%username%

echo version:

ver

pause

**Explanation**=>

@echo off:

The @ symbol tells the batch file to not display the command itself when it's run.

echo off used to make the output cleaner

This makes the script run quietly without displaying the commands on the screen.

echo username:%username%

echo is a command used to display text or variables.

%username% is a system environment variable that stores the current user's name.

ver

ver is a command used to display the version of the Windows operating system.

pause

The script will stop here and wait for the user to press any key before closing the command prompt window.

**Output**=>

username: shifak ahamed

version:

Microsoft Windows [Version 10.0.22631.4751]

Press any key to continue . . .

**Code:**

@echo off

echo date: %date%

echo time: %time%

pause

**Explanation**=>

%date% is a system environment variable that stores the current date.

%time% is a system environment variable that stores the current time.

How to Run the Script:

Create the batch file:

Open Notepad.

Copy the script into Notepad.

Save it as show\_date\_time.bat (ensure the extension is .bat).

Run the batch file:

Double-click the batch file

**Output**=>

date: Mon 03/23/2025

time: 12:45:00.00

Press any key to continue . . .

**4: Creating a Batch Script for Age Calculation**

1.Open a Text Editor:

2.Write the following Script:

**Code:**

@echo off

set /p birth\_year=Enter your birth year:

set /a age=%date:~10,4% - %birth\_year%

echo your age is:%age%

pause

**Explanation**:

echo off: Hides the command execution details for cleaner output.

set /p birth\_year=...: Prompts the user to input their birth year and stores it in the birth\_year variable.

%date:~10,4%: Extracts the current year from the system's date.

set /a age=%date:~10,4% - %birth\_year%: Calculates the user's age by subtracting their birth year from the current year.

echo Your age is: %age%: Displays the calculated age to the user.

pause: Pauses the script so the user can view the result before closing the window.

**Output:**

Enter your birth year: 2002

Your age is: 22

Press any key to continue...

**How to Run the Script:**

Create the batch file:

Open Notepad.

Copy the script into Notepad.

Save it as show\_age.bat (ensure the extension is .bat).

Run the batch file:

Double-click the batch file