Practical 02: Creating a Batch Script for Age Calculation

Objective:

The objective of this batch script is to prompt the user for their birth year and calculate their current age based on the current date.

It uses the %date% variable to retrieve the current year and then calculates the difference between the current year and the user's input.

Steps for the script

1.Open a Text Editor:

2.Write the following Script:

```
@echo off
set /p birth_year=Enter your birth year:
set /a age=%date:~10,4% - %birth_year%
echo your age is:%age%
pause
```

Running the Batch Script:

1.Save the Script:

After typing the script, save the file with a .bat extension.

2.Execute the Script:

Locate the .bat file in File Explorer.

Double-click on the file to execute the script.

It will ask you to input your birth year, and then it will calculate and display your age.

Explanation of the Script:

@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.
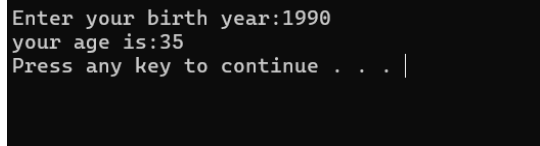

Expected Output:

Enter your birth year: 1990

Your age is: 35

Press any key to continue...

Conclusion:

In this practical, we created a batch script that calculates a user's age based on their birth year and the current year.

We used basic batch scripting commands such as set, echo, and pause to interact with the user and perform arithmetic calculations.