

Operating Systems IT 2244

Day 01 Practical

COMMAND PROMPT PRACTICAL

Practical 01: Creating a Batch Script for Directory Structure Creation

Objective:

The objective of this practical is to create a batch script that automates the process of creating a structured directory hierarchy.

The script will create directories based on predefined criteria and standards for each criterion.

Pre-requisites:

A text editor (e.g., Notepad++, Visual Studio Code) to write the batch script. We have used Notepad++

Basic understanding of Windows Batch scripting and file system structure.

Windows OS (since the batch script is for Windows environments).

Steps to Create the Batch Script:

1. Open a Text Editor:

2. Open your preferred text editor (e.g., Notepad++, Visual Studio Code, or Notepad).

We have used Notepad++

3. Write the Script:

In the text editor, type the following script. This script uses basic batch commands like mkdir (make directory) and cd (change directory) to create a structured hierarchy.

```
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

Running the Batch Script:

1. Save the Script:

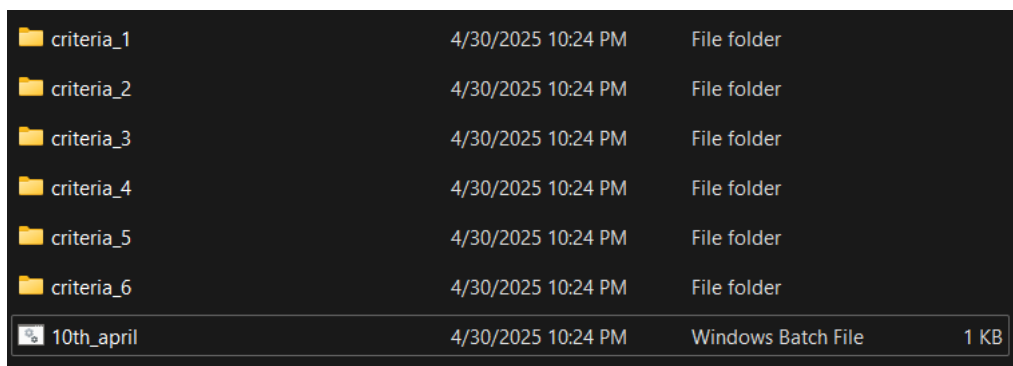
After typing the script, save the file with a .bat extension. For example, save it as create_directories.bat

2. Execute the Script:

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.



criteria_1	4/30/2025 10:24 PM	File folder	
criteria_2	4/30/2025 10:24 PM	File folder	
criteria_3	4/30/2025 10:24 PM	File folder	
criteria_4	4/30/2025 10:24 PM	File folder	
criteria_5	4/30/2025 10:24 PM	File folder	
criteria_6	4/30/2025 10:24 PM	File folder	
10th_april	4/30/2025 10:24 PM	Windows Batch File	1 KB

Batch Script Commands Used:

mkdir: Creates directories.

cd: Changes the current working directory

Conclusion:

In this practical, we learned how to create a batch script to automate the creation of a specific directory structure.

By using commands like mkdir and cd, we ensured that the directories were organized hierarchically, which is beneficial

for maintaining consistent folder structures across projects or teams