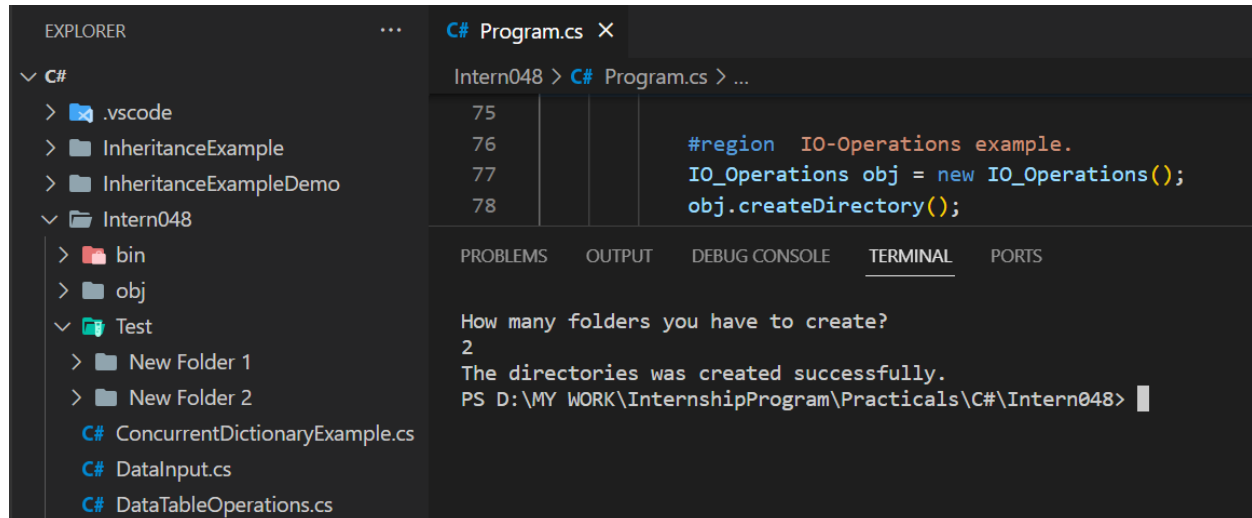


# Directory and File Operations

## Task-1: Create two directories at time.



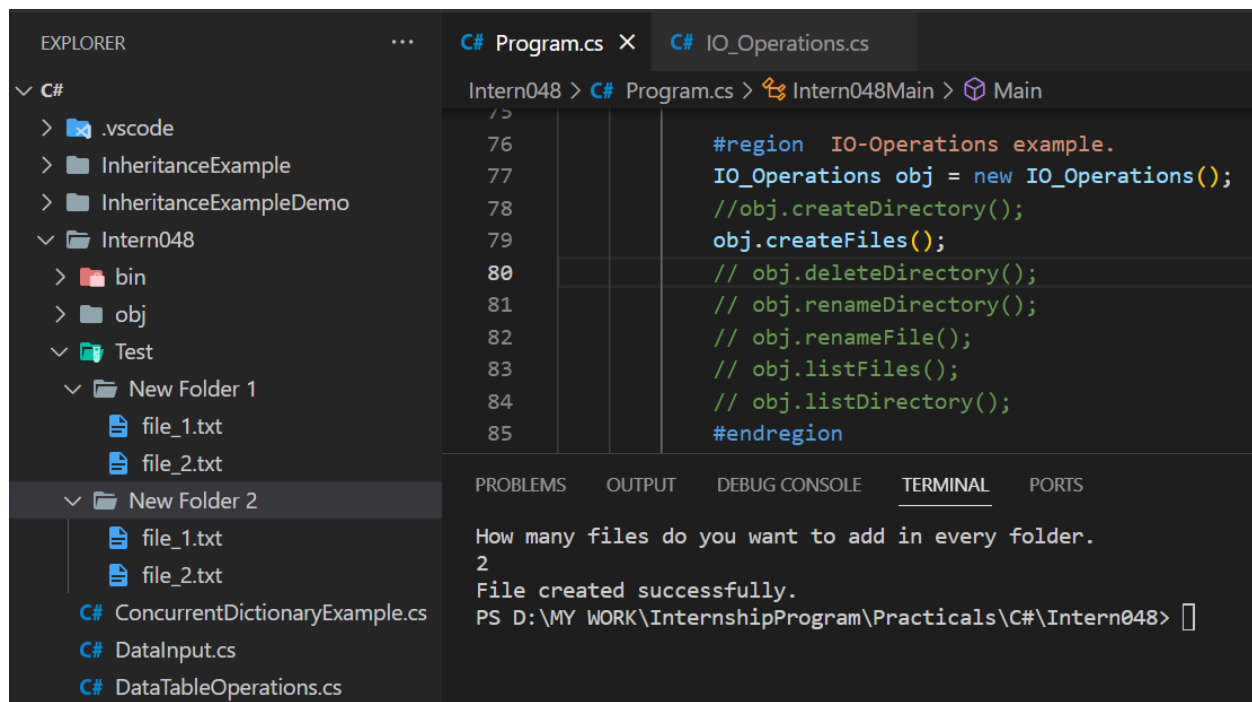
```
75
76 #region IO-Operations example.
77 IO_Operations obj = new IO_Operations();
78 obj.CreateDirectory();
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

How many folders you have to create?  
2  
The directories was created successfully.  
PS D:\MY WORK\InternshipProgram\Practicals\C#\Intern048>

Here, **New Folder 1** and **New Folder 2** two directories created successfully.

## Task-2: Add two files in each directory.



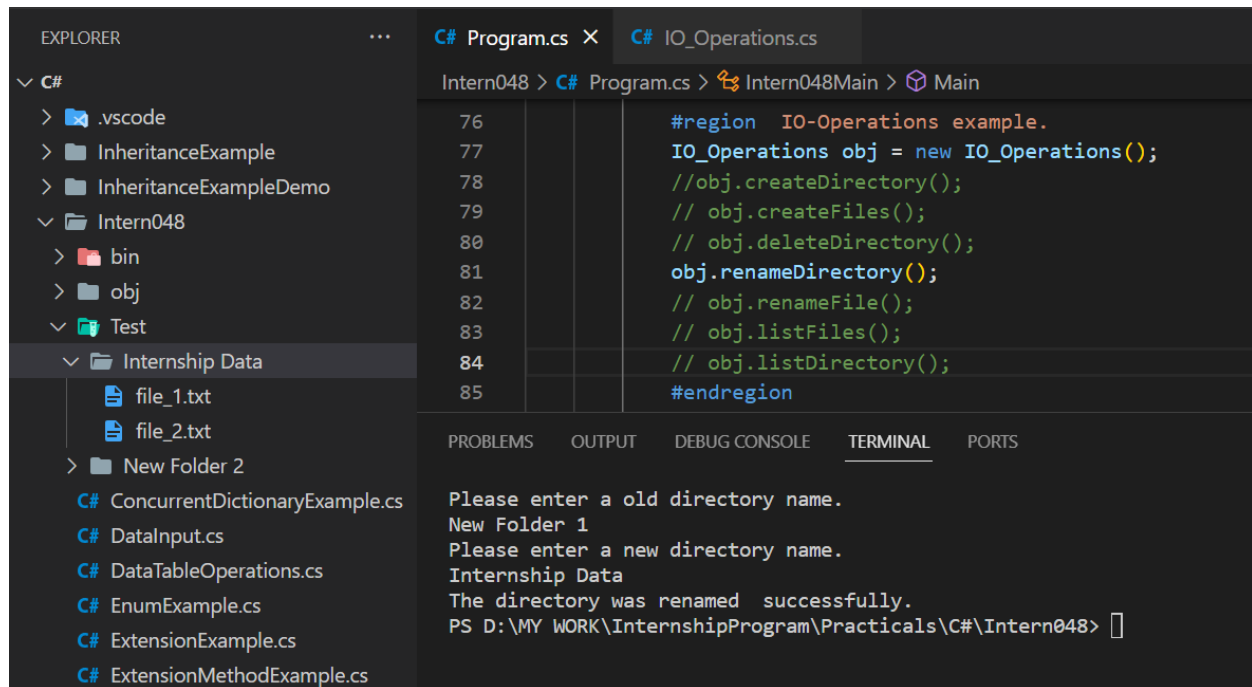
```
76 #region IO-Operations example.
77 IO_Operations obj = new IO_Operations();
78 //obj.CreateDirectory();
79 obj.CreateFiles();
80 // obj.deleteDirectory();
81 // obj.renameDirectory();
82 // obj.renameFile();
83 // obj.listFiles();
84 // obj.listDirectory();
85 #endregion
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

How many files do you want to add in every folder.  
2  
File created successfully.  
PS D:\MY WORK\InternshipProgram\Practicals\C#\Intern048>

### Task-3: Rename Existing any one of Directory & File.

#### Directory name rename:



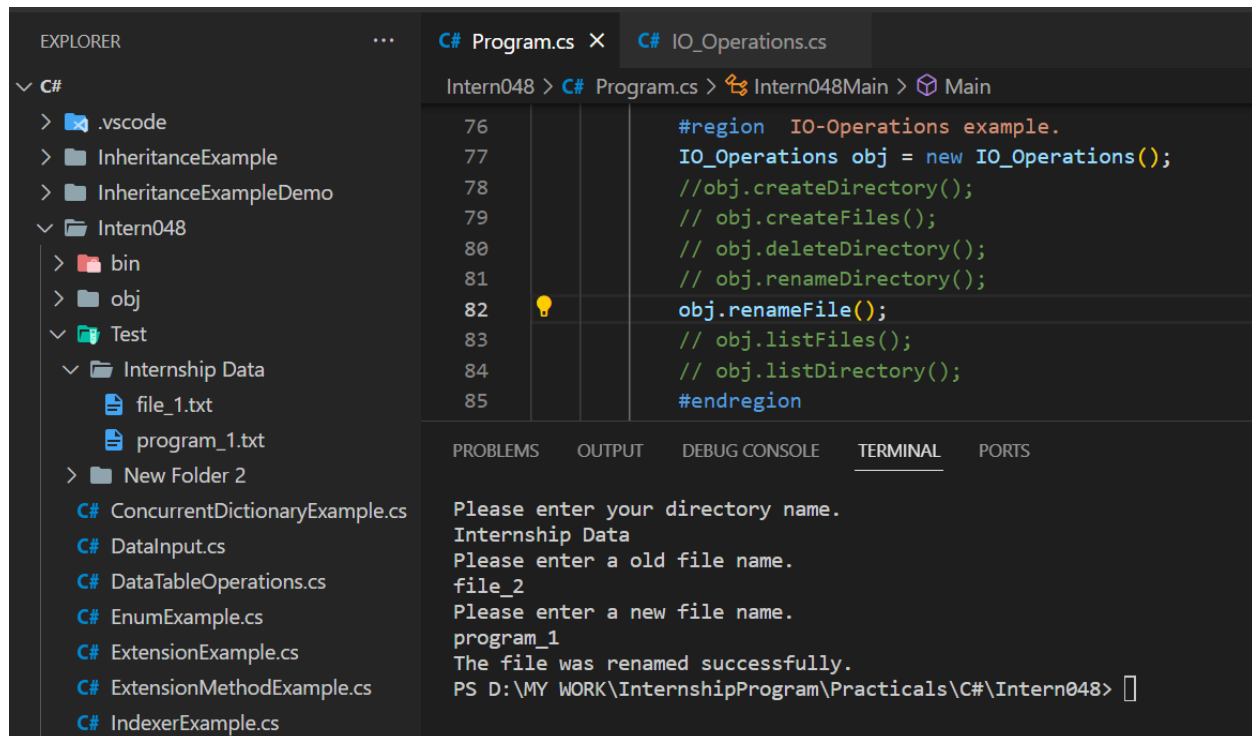
The screenshot shows the Visual Studio Code interface with the Explorer view on the left and the Code editor on the right. The Explorer view shows a project structure with a folder named 'Intern048' containing a subfolder 'Internship Data'. The Code editor shows the 'IO\_Operations.cs' file with the following code:

```
76 #region IO-Operations example.  
77 IO_Operations obj = new IO_Operations();  
78 //obj.createDirectory();  
79 // obj.createFiles();  
80 // obj.deleteDirectory();  
81 obj.renameDirectory();  
82 // obj.renameFile();  
83 // obj.listFiles();  
84 // obj.listDirectory();  
85 #endregion
```

The terminal output shows the following commands and results:

```
Please enter a old directory name.  
New Folder 1  
Please enter a new directory name.  
Internship Data  
The directory was renamed successfully.  
PS D:\MY WORK\InternshipProgram\Practicals\C#\Intern048>
```

#### File name rename:



The screenshot shows the Visual Studio Code interface with the Explorer view on the left and the Code editor on the right. The Explorer view shows a project structure with a folder named 'Intern048' containing a subfolder 'Internship Data'. The Code editor shows the 'IO\_Operations.cs' file with the following code:

```
76 #region IO-Operations example.  
77 IO_Operations obj = new IO_Operations();  
78 //obj.createDirectory();  
79 // obj.createFiles();  
80 // obj.deleteDirectory();  
81 // obj.renameDirectory();  
82 obj.renameFile();  
83 // obj.listFiles();  
84 // obj.listDirectory();  
85 #endregion
```

The terminal output shows the following commands and results:

```
Please enter your directory name.  
Internship Data  
Please enter a old file name.  
file_2  
Please enter a new file name.  
program_1  
The file was renamed successfully.  
PS D:\MY WORK\InternshipProgram\Practicals\C#\Intern048>
```

## Task-4: Remove Any One Directory.

The screenshot shows the Visual Studio Code interface. The Explorer pane on the left displays a project structure with folders like `.vscode`, `InheritanceExample`, `InheritanceExampleDemo`, and `Intern048`. The `Intern048` folder is expanded, showing subfolders `bin` and `obj`, and files `file_1.txt` and `program_1.txt`. The main editor shows `IO_Operations.cs` with a `#region` block containing several commented-out methods and one active method: `obj.deleteDirectory();`. The output pane at the bottom shows the execution of the program, where the user enters 'New Folder 2' and the message 'Directory deleted successfully.' is displayed.

```
76 #region IO-Operations example.
77 IO_Operations obj = new IO_Operations();
78 //obj.createDirectory();
79 // obj.createFiles();
80 obj.deleteDirectory();
81 // obj.renameDirectory();
82 // obj.renameFile();
83 // obj.listFiles();
84 // obj.listDirectory();
85 #endregion
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS

Please enter directory name.  
New Folder 2  
Directory deleted successfully.  
PS D:\MY WORK\InternshipProgram\Practicals\C#\Intern048>

## Task-5: Listing Folder.

The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows the project structure, with the `Test` folder expanded under `Intern048`. The main editor shows `IO_Operations.cs` with the `obj.listFiles();` method active. The output pane at the bottom shows the execution of the program, where the user enters 'Test' and the message 'List of Directories:' is displayed, followed by the paths of the directories found in the `Test` folder.

```
76 #region IO-Operations example.
77 IO_Operations obj = new IO_Operations();
78 //obj.createDirectory();
79 // obj.createFiles();
80 // obj.deleteDirectory();
81 // obj.renameDirectory();
82 // obj.renameFile();
83 // obj.listFiles();
84 obj.listFiles();
85 #endregion
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS

Please enter directory name.  
Test  
List of Directories:  
D:\MY WORK\InternshipProgram\Practicals\C#\Intern048\Test\Internship Data  
D:\MY WORK\InternshipProgram\Practicals\C#\Intern048\Test\New Folder 2  
PS D:\MY WORK\InternshipProgram\Practicals\C#\Intern048>

## Task-6: Listing Files in same folder

The screenshot shows the Visual Studio Code interface with the Explorer, Solution Explorer, and Code Editor panels. The Explorer panel on the left shows a project structure with a folder named 'Internship Data' containing 'file\_1.txt' and 'program\_1.txt'. The Solution Explorer on the right shows a list of C# files. The Code Editor in the center displays the source code for 'IO\_Operations.cs', which includes a region for IO-Operations example, creating an IO\_Operations object, and calling listFiles() and listDirectory() methods. The terminal at the bottom shows the output of the program, which lists the files in the 'Internship Data' directory.

```
EXPLORER
C#
  > .vscode
  > InheritanceExample
  > InheritanceExampleDemo
  > Intern048
    > bin
    > obj
    > Test
    > Internship Data
      file_1.txt
      program_1.txt
    > New Folder 2
  > ConcurrentDictionaryExample.cs
  > DataInput.cs
  > DataTableOperations.cs
  > EnumExample.cs

C# Program.cs x C# IO_Operations.cs
Intern048 > C# Program.cs > Intern048Main > Main

76 #region IO-Operations example.
77 IO_Operations obj = new IO_Operations();
78 //obj.createDirectory();
79 // obj.createFiles();
80 // obj.deleteDirectory();
81 // obj.renameDirectory();
82 // obj.renameFile();
83 obj.listFiles();
84 // obj.listDirectory();

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Please enter directory name.
Internship Data
D:\MY WORK\InternshipProgram\Practicals\C#\Intern048\Test\Internship Data\file_1.txt
D:\MY WORK\InternshipProgram\Practicals\C#\Intern048\Test\Internship Data\program_1.txt
PS D:\MY WORK\InternshipProgram\Practicals\C#\Intern048>
```