

INTRODUCTION TO PROGRAMMING USING C#

Lecture 5: File system

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HOW FILES SAVED IN THE DISK

Files can exist in the root drive folder or inside sub folders.

SYSTEM.IO NAMESPACE

A namespace that contains a lot of file classes and oprations.

CREATING A NEW FOLDER

```
string dirName = @"D:\files\MyNewDir";  
Directory.CreateDirectory(dirName);
```

DELETE AN EXISTING FOLDER

```
string dirName = @"D:\files\MyNewDir";  
Directory.Delete(dirName);
```

LIST ALL FILES AND FOLDERS INSIDE A FOLDER

```
string dirName = @"D:\files\MyNewDir";  
  
string[] dirs = Directory.GetDirectories(dirName);  
string[] files = Directory.GetFiles(dirName);
```

GET WELL-KNOWN FOLDERS PATHS

```
string Desktop = Environment.GetFolderPath(Environment.SpecialFolder.Desktop);  
string Docs = Environment.GetFolderPath(Environment.SpecialFolder.MyDocuments);  
string Pictures = Environment.GetFolderPath(Environment.SpecialFolder.MyPictures);
```


WRITING TO FILE

```
string contents = "Hello World!";  
File.WriteAllText(@"D:\testFile.txt", contents);
```

READ AN EXISTING FILE CONTENTS

```
string contents = File.ReadAllText(@"D:\testFile.txt");
```

CHANGE FILE ATTRIBUTES

```
File.SetAttributes(@"D:\testFile.txt", FileAttributes.Hidden);  
File.SetAttributes(@"D:\testFile.txt", FileAttributes.ReadOnly);
```

DEMO

THANK YOU 😊

- For being part of this course.
- For your fantastic effort.
- For your comments, questions, and feedback.
- *See you in the next level.*