

# Working with Files and Streams in C#

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## MANAGING FILES AND DIRECTORIES



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# Overview



Creating a new console app

Process input files and write output files

Check if a file exists

Check if a directory exists

Creating a new directory

Copy a file

Get the file extension from a file name

Move a file

Delete a directory

Enumerating all the files in a directory

- Optional search filter



# Course Outline

**Managing  
files and  
directories**

**Monitoring  
the file  
system for  
changes**

**Reading  
and writing  
entire files  
into  
memory**

**Reading  
and writing  
data with  
streams**

**Reading  
and writing  
CSV data**

**Creating  
automated  
tests for  
file access  
code**



# Summary



Created a new DataProcessor console app

`File.Exists()`

`Directory.Exists()`

`Directory.CreateDirectory()`

`File.Copy()` `File.Move()`

`Directory.Delete()`

`Directory.GetFiles()`

`Path.Combine()`

`Path.GetExtension()`

`Path.ChangeExtension()`



Up Next:

Monitoring the File System  
for Changes

