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Call methods from the .NET Class Library using C#

54 min • Module8 Units

Beginner

Developer

Higher Education Educator

K-12 Educator

Student

.NET

Visual Studio Code

Use functionality in the .NET Class Library by calling methods that return values, accept input parameters, and more.

Learning objectives

In this module, you will:

- Write code that calls stateless methods in the .NET Class Library.
- Create a new instance of .NET Class Library classes to call methods that maintain state.
- Use IntelliSense to learn more about a method, its overloaded versions, its return value data type, and its input parameter data types.
- Use Microsoft Learn documentation to research what a method does, its overloaded versions, its return value type, its input parameters and what each parameter represents.

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Prerequisites

- Experience declaring, initializing, and accessing the values of variables in C#.
- Experience using the basic C# data types including int and string.
- Experience using the method `Console.WriteLine()` in C#.

This module is part of these learning paths

[Create and run simple C# console applications \(Get started with C#, Part 2\)](#)

Introduction

3 min



Get started with .NET Libraries

6 min



Exercise - Call the methods of a .NET Class

12 min



Exercise - Return values and input parameters of methods

18 min



Exercise - Complete a challenge activity to discover and implement a method call

7 min



Review the solution to discover and implement a method call challenge activity

3 min



Knowledge check

3 min



Summary

2 min

