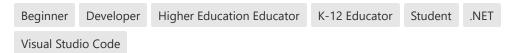900 XP

Store and iterate through sequences of data using Arrays and the foreach statement in C#

51 min • Module7 Units

Beginner   Developer   Higher Education Educator   K-12 Educator   Student   .NET

Visual Studio Code

Work with sequences of related data in data structures known as arrays. Then, learn to iterate through each item in the sequence.

Learning objectives

In this module, you will:

- Create and initialize a new array.
- Set and get values in arrays.
- Iterate through each element of an array using the foreach statement.

Start >   ⊕ **Add**

Prerequisites

- Experience with declaring and initializing variables and basic data types like string.
- Experience with printing to output using Console.WriteLine().
- Experience with string interpolation to combine literal strings with variable data.
- Experience researching how to use methods from the .NET Class Library.

This module is part of these learning paths

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

Introduction

3 min

Exercise - Get started with array basics

19 min

Exercise - Implement the foreach statement

12 min

Exercise - Complete a challenge activity for nested iteration and selection statements

9 min

Review the solution for the nested iteration and selection statements challenge activity

3 min

Knowledge check

3 min

Summary

2 min