



800 XP

Guided project - Develop foreach and if-elseif-else structures to process array data in C#

1 hr 33 min • Module 7 Units

Beginner

Developer

Higher Education Educator

K-12 Educator

Student

.NET

Visual Studio Code

Gain experience developing a console app that implements arrays, foreach loops, and if statements to achieve app specifications.

Learning objectives

In this module, you'll practice how to:

- Use Visual Studio Code to develop a C# console application that uses foreach loops to access array data.
- Use if statements to evaluate conditions and create code branches.

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Prerequisites

- Experience using Visual Studio Code to develop, build, and run C# console applications that include console I/O and access the methods of .NET classes.
- Experience using if statements in C# to evaluate an expression and branch code accordingly.
- Experience using a foreach loop to access elements of array variables.

This module is part of these learning paths

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

Introduction

4 min

Prepare

9 min

Exercise - Create arrays and foreach loops

25 min

Exercise - Construct a nested loop structure for student grade calculations

25 min

Exercise - Implement code branches using selection statements

25 min

Knowledge check

3 min

Summary

2 min