

## Basics of C# 1: Introduction to Syntax

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**Basics of C#** This page introduces the **fundamentals of C# syntax** as covered in the first two modules of [Microsoft Learn: Get Started with C#](#).

### What is C#?

C# (pronounced "C-Sharp") is a modern, object-oriented programming language developed by Microsoft. It is used for building games (Unity), web apps (.NET), and automation scripts.

### Basic C# Syntax

In C#, every program has a **Main method**, and **statements end with a semicolon (;)**. Here's a simple program:

```
using System;

class Program
{
    static void Main()
    {
        Console.WriteLine("Hello, World!");
    }
}
```

### Questions

1. What is C# primarily used for?

- ☐ A. Web development
- ☐ B. Game development
- ☒ C. Both A & B
- ☐ D. None of the above

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✅ **Correct! Well done!**

2. Which method is required in every C# program?

- ☐ A. Start()
- ☐ B. Execute()
- ☒ C. Main()
- ☐ D. Run()

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3. What is the correct syntax to print "Hello, World!" in C#?

- ☐ A. print("Hello, World!");
- ☐ B. echo "Hello, World!";
- ☒ C. Console.WriteLine("Hello, World!");
- ☐ D. cout << "Hello, World!";

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4. Which keyword is used to declare a variable in C#?

- ☒ A. var
- ☐ B. define
- ☐ C. let
- ☐ D. new

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5. Which of the following is a correct single-line comment in C#?

- ☐ A. /\* This is a comment \*/
- ☒ B. // This is a comment
- ☐ C. # This is a comment
- ☐ D. -- This is a comment

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6. What data type should be used for a decimal number in C#?

- ☐ A. int
- ☒ B. double
- ☐ C. bool
- ☐ D. string

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