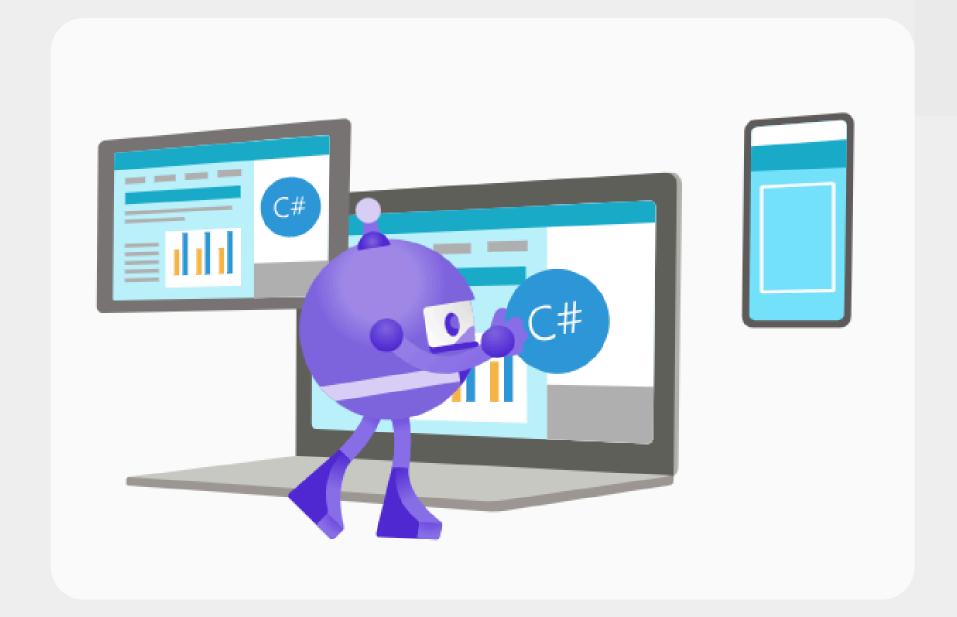
Kavsar Academy C#

LECTURE 1 INTRODUCTION TO C#



WHAT IS C#?

- C# is pronounced "C-Sharp".
- It is an object-oriented programming language created by Microsoft that runs on the .NET Framework.
- C# has roots from the C family, and the language is close to other popular languages like C++ and Java.
- The first version was released in year 2002. The most recent stable version of the language is C# 12.0, which was released in 2023 along with the release of .NET 9.

C# IS USED FOR:

- Mobile applications
- Desktop applications
- Web applications
- Web services
- Web sites
- Games
- VR
- Database applications

Desktop Web Cloud Mobile Games IoT AI

C#

And much, much more!

WHY USE C#?

It is one of the most popular programming language in the world

C# is an object oriented language which gives a clear structure to programs and allows code to be reused, lowering development costs

It is easy to learn and simple to use and it has a huge community support

As C# is close to C, C++ and Java, it makes it easy for programmers to switch to C# or vice versa

WHAT IS .NET?

• .NET is a free, crossplatform, open source developer platform for building many different types of applications.

- To build programs with C#, you need the .NET ("dotnet") platform
- C# is a programing language.

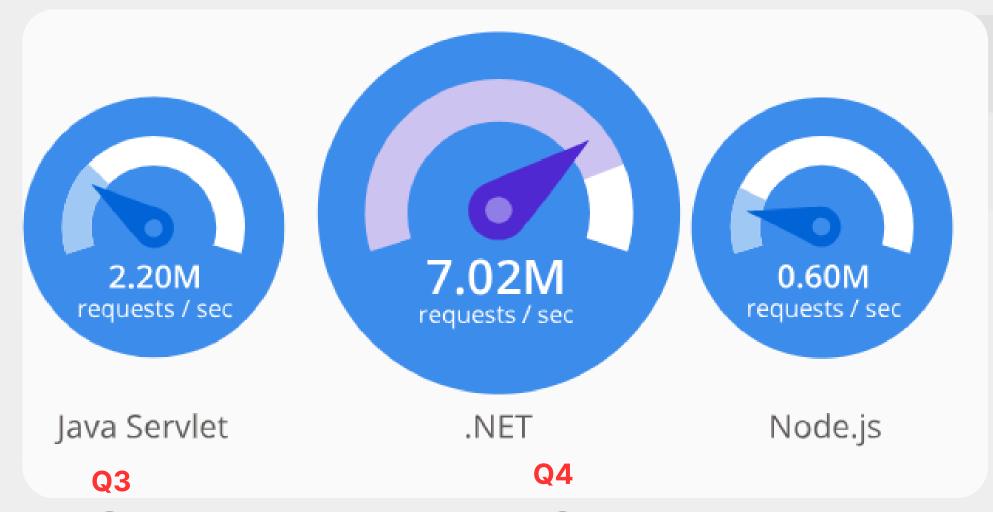


.NET is a framework of C#.
 Framework is collection of libraries. The latest version of the platform at the moment - NET 8.

 .NET comes in two major flavors, .NET Framework for Windows and .NET Core for Windows/MacOS/Linux

WWW.KAWSARACADEMY.TJ

WHY CHOOSE .NET?



Q1

Q2

With .NET, you can use multiple languages, editors, and libraries to build for web, mobile, desktop, games, IoT, and more.

.NET is fast. Really fast! That means applications provide better response times and require less compute power than any other popular framework .

Because .NET is open source, you can join the thousands of developers and companies already contributing to the .NET platform.

The .NET platform is officially supported by Microsoft and trusted by thousands of companies and millions of developers. Microsoft takes security very seriously and releases updates quickly when threats are discovered.





WRITTEN POPULAR WEBSITE IN

.NET









Bill Gates once said that the .NET platform is the best that Microsoft has created.

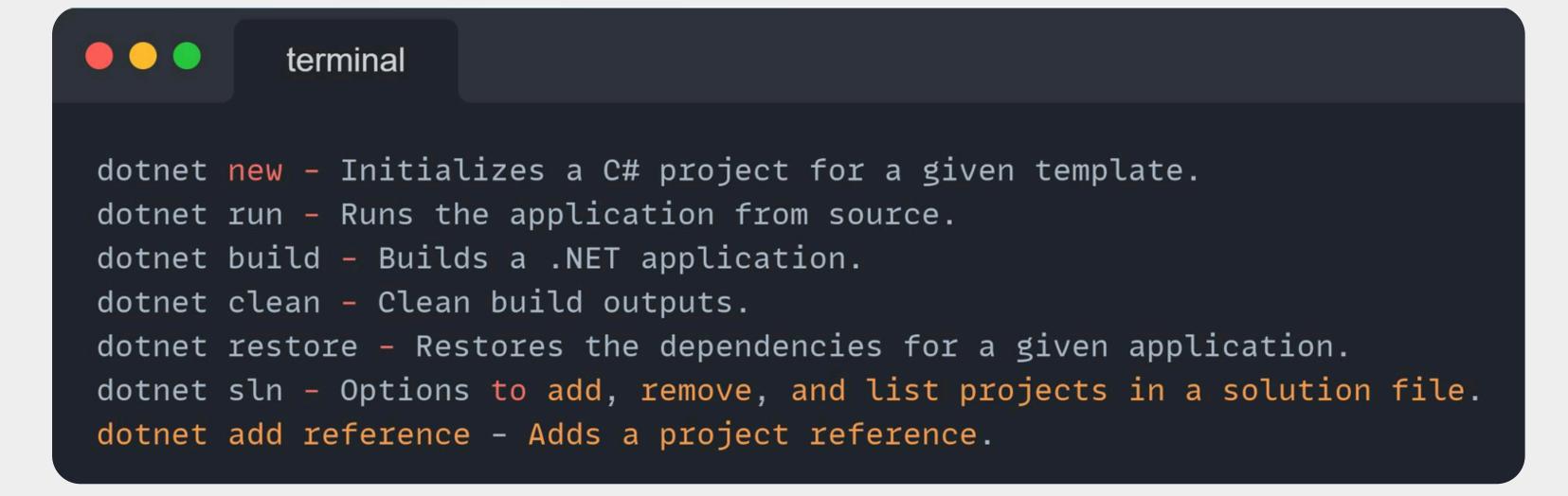
CLI (COMMAND LINE INTERFACE)

The .NET Command-Line Interface (CLI) is a tool that allows developers to build, run, and manage applications using the .NET framework. It provides a command-line interface that can be used on different operating systems, such as Windows, macOS, and Linux.

CLI stands for:

- Command Line Interface
- Command Line Interpreter
- Command Line Input

SOME USABLE .NET CLI COMMANDS



Thank You

