

# C++ vs C#

**Desired Doc**

*... a way of learning*

## C++ vs C#

There are many differences and similarities between C++ programming language and C#. A list of top differences between C++ and C# are given below:

S.No.	C++	C#
1)	C++ is a general purpose, case-sensitive, free-form programming language that supports object-oriented, procedural and generic programming.	C# is pronounced as "C-Sharp". It is an object-oriented programming language provided by Microsoft that runs on .Net Framework.
2)	In C++, multiple inheritance is possible.	In C#, multiple inheritance is not possible.
3)	In C++, memory management is handled manually.	In C#, memory management is handled automatically.
4)	In C++, pointers can be used anywhere in a program.	In C#, pointers can be used only in unsafe mode.
5)	C++ programming is based on OOPs concept.	C# programming is based on Component and OOPs concept.
6)	C++ is a programming language that runs on all platforms.	C# is a programming language that rarely used outside Windows.
7)	C++ programming can be used to create console applications.	C# programming can be used to create console applications, Windows applications, Mobile applications, etc.