Most Popular Programming languages and the difference between them and C#

1. Java

**Java** is a great option for building complex web-based, highly concurrent application whereas **C#** is ideal for game development, mobile development. **Java** is heavily used for building a complex application in an open source ecosystem whereas **C#** is mostly used to develop an application for Microsoft platforms.

Being an Object-Oriented Programming Language, **Java** develops the OOP application relatively **easier than C#** and other programming languages. **Java** advances the extensibility and flexibility of the system and makes it modular. **Java** Doesn't have many implementation dependencies like **C#**.

1. Python

Python is a one-stop shop. There's a Python framework for pretty much anything, from web apps to data analysis. In fact, WordStream is written in Python! You're the best bud. Python is often heralded as the easiest programming language to learn, with its simple and straightforward syntax. Python has risen in popularity due to Google's investment in it over the past decade (in fact, one recent study has shown Python to be the most commonly taught programming language in U.S. schools). Other applications built with Python include Pinterest and Instagram.

In short, **C#** is statically typed, can do more, is faster, but takes more time to learn and type. **Python** is dynamically typed, garbage collected, and easy to learn and type. Both languages are object oriented and general purpose.

1. C

If you saw **C** on a report card, you'd be pretty bummed. Maybe a bit confused, too (is it actually a B-?). However, **C** is not the bizarrely bad grade it seems to be. It's often the first programming language taught in college (well, it was for me 10 years ago). I thought it was a nice "in-between" language in that it was object oriented without having to be fanatical about it. It was also low level enough to be close to hardware, but no so low level that you had to do everything manually. Because there are so many **C** compilers, you can write stuff in **C** and have it run pretty much anywhere.

**C#** (pronounced “**C Sharp**”) is a high-level, object-oriented programming language that is also built **as** an extension of **C**. It was developed by a team at Microsoft lead by Anders Hejlsberg in 2002. It's based in the . **NET** framework, but its backbone is still clearly the **C** language. So basically **C** is a downgraded **C#** since it is the earlier version of **C#.**

1. Ruby

Ruby (also known as Ruby on Rails) is a major supplier of web apps. Ruby is popular due to its ease of learning (it's very straightforward) and power. Ruby knowledge is in high demand these days!

**Ruby** is a language. Just **like C#** is a language. ... While **C#** has always been a static, strongly typed language, and eventually got a couple of dynamic features, **Ruby** is a fully dynamic language. You can expect more posts covering how some of these features compare between **Ruby** and **C#**.

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