

You should consider PHP if your project involves...

CMS's like WordPress, Drupal, or Joomla etc.

Servers like MySQL, SQL, MariaDB, Oracle, Sybase, and Postgresql etc.

Solution Stacks like LAMP (Linux, Apache, MySQL, PHP)

You should consider JavaScript if your project involves...

Dynamic single page applications (SPAs)

Front-end technologies like jQuery, AngularJS, Backbone.js, Ember.js, ReactJS etc.

Server-side technologies like Node.js, MongoDB, Express.js, etc.

Solution Stacks like MEAN (MongoDB, Express.js, AngularJS)

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## Python Vs PHP

### What is PHP?

PHP stands for Hypertext Pre-processor. It is a server-side scripting language. It is used to develop a dynamic website or web application. PHP can easily integrate with all major web servers on all major operating systems.

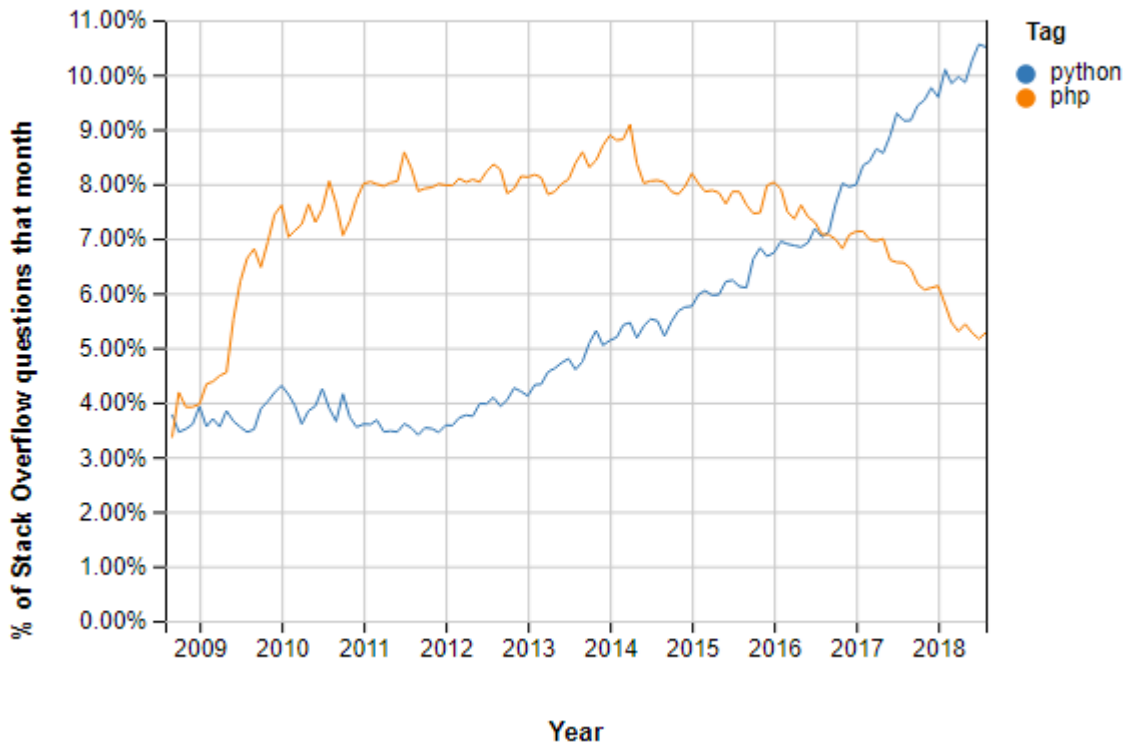
PHP is the widely-used, free, and efficient option to competitors such as Microsoft's ASP. Non-technical users can easily learn a few useful tricks to make their web pages easier to manage, and more useful.

### What is Python?

Python is a high level object-oriented, programming language. It has built-in data structures, combined with dynamic typing & binding which makes it an ideal choice for rapid application development. Python also offers support for modules and packages, which allows system modularity and code reuse.

It is one of the fastest programming languages as it requires very few lines of code. Its emphasis is on readability and simplicity, which make it a great choice for beginners.

### Why Python?



Stackoverflow Python

vs. PHP tags

Here, are certain reasons why you should select Python:

Compared with the code of other language python code is easy to write and debug. Therefore, its source code is relatively easy to maintain.

Python is a portable language so it can run on a wide variety of Operating systems and platforms.

Python comes with many prebuilt libraries which makes your development task easily.

Python helps you to make complex programming simpler. As it internally deals with memory addresses, garbage collection.

Python provides an interactive shell which helps you to test the things before it's actual implementation.

Python offers database interfaces to all major commercial DBMS system.

Python supports GUI applications and has as a framework for Web. Example: tkinter, WXPYthon, Django.

### Why PHP?

Here, are prime reasons why you should select PHP:

PHP runs on various platforms like Windows, Unix, Linux, Mac OS X, etc.

PHP is compatible with almost Apaches, IIS servers

PHP is easy to learn which runs efficiently on the server side

PHP is free to download from its official website [www.php.net](http://www.php.net)

### History of Python

● python ● php



Google Trends Python Vs. PHP

Python s first conceived in the late 1980s, but its implementation started only in December 1989

It was invented in the Netherlands, by Guido van Rossum.

Rossum published the first version of Python (0.9.0) in February 1991

It was derived from ABC programming language which is a general-purpose programming language.

Nowadays Python is maintained by a core development team although Rossum still plays a vital role in directing it's progress

## History of PHP

PHP was started as a Perl hack in 1995 by Rasmus Lerdorf

It was rewritten again in 1997 and released as PHP2.0 with a new passer engine by Zeev Suraski and Gutmans.

PHP 2 transformed the language into a Server-side scripting language.

PHP 3 (1998) added support for ODBC(Open Database Connectivity) multiple platform support and email protocols are added

PHP 4 version which was released in the year 2000 has become an independent component of the web server for added efficiency.

PHP 5 which was released in the year 2004 adds Zend Engine II with object-oriented programming, robust XML support.

## Python vs. PHP

Parameter	Python	PHP
Frameworks	Python has a smaller number of frameworks	PHP users have access to mature frameworks.
Popularity	Widely used in AI, data science and scientific community	Language of choice for web development
Database Connectivity	Does not support database connectivity as broadly as PHP	It is possible to access more than 20 different databases.

Community Support	Currently growing at fast pace.	Wider community support.
Learning curve	Python is better in the long-term projects.	PHP has a very low learning curve, and it is straightforward to get started with.
Readability	Python uses indentation enforcements that are quite strict. This makes it more readable than PHP.	PHP language is highly documented and follows a classic approach
Type of language	General purpose programming language	Specialized for Web development programming language.
Syntax	A very clear and concise, syntax of codes	The built-in library has a wide range of naming conventions
A famous company using this technology	Uber, Pinterest, Mozilla	Hootsuite, Viber, Appcelerator
Git hub stars	30.4 K	30 K
Fork	8.23 K	8.04 K
TIOBE rating	4 <sup>th</sup> position	7 <sup>th</sup> position
Key Features	Rapid development, Dynamic typing and beautiful code.	Open source, Easy Deployment, Continual Improvements.
Best frameworks	Flask, Django, jam.py.	Slim, Laravel, Fast-free framework.
Salaries	The average salary for a professional Python Developer is \$120,024 per year in the United States.	The avg salary for a PHP Developer is \$86,017 per year in the United States.

## Features of Python

Easy to learn, read and maintain

It can run on various hardware platforms & using the same interface.

You can include low-level modules to the Python interpreter.

Python offers an ideal structure and support for large programs.

Python offers support for automatic garbage collection.

It supports for an interactive mode of testing and debugging.

It offers high-level dynamic data types and also supports dynamic type checking.

Python language can be integrated with Java, C, and C++ programming code.

## Features of PHP

Database Integration Supports many databases, such as Oracle, MySQL, etc.

It is easy to use, compare to another scripting language

It is faster than another scripting language, e.g., ASP and JSP

Open source means you don't need to pay for using PHP; you can freely download and use it

PHP has some predefined error reporting constants to generate an error notice or warning

PHP offers access logging by creating the summary of recent accesses of the user.

## What is better?

Even after comparing both of these languages, selecting one is an undoubtedly difficult task because PHP and Python both are good on their way. Python is the gateway to machine learning codes. On the other side, PHP is used for server-side scripting and web development.

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So you're fluent in HTML, CSS, and [JavaScript](#). Congratulations! You can now create all sorts of fun things, like websites, apps, and video games. But if you want to grow as a programmer — and rake in big bucks while you're at it — don't pigeonhole yourself to just client-side languages. It's time to expand your horizons and find a server-side language to cut your teeth on. [C# is a great option](#).

**SEE ALSO: [The coding guidebook every developer should own for less than \\$20](#)**

Not to be confused with the musical note, C# is an object-oriented, general-purpose language [created by Microsoft](#) in 2000 as a means for building apps on their .NET platform. It hasn't been around for that long compared to other languages, but it is now one of the most popular. So much so that in 2012, it was named the programming language of the year by the [Popularity of Programming Language](#) (PYPL) index. And today, it continues to be the stack of choice for enterprises, big or small.

But if you need further proof why C# is the language to learn, let us break it down for you:

### **It's cool.**

No, really. During its early stages, C# was called Cool, which stood for "C-like Object Oriented Language." Okay, that was nerdy, but the pun was staring us in the face. They later had to change it due to trademark reasons, but it's also cool in the sense that you can build a lot of awesome things with it, which leads us to the second reason.

### **It has an enormous set of use cases.**

And a lot of fun ones at that. C# is highly versatile, and can be used to create a ton of projects, including but not limited to mobile apps, cloud-based services, enterprise software, and games. Lots and lots of games.

### **It's widely used in game development.**

[Ever heard of Unity?](#) Yeah, the most popular game engine. C# is widely used to develop games with Unity, which means that thousands of games, including popular ones like *Rimworld*, were scripted using C#. Told you it's cool.

### **It gives you an excellent programming foundation.**

Since it's similar to other C-type languages like C, C++, and Java, being fluent in C# will make learning the others a breeze.

### **It's easy to learn.**

As far as programming languages go, C# is fairly simple to digest. It's a high-level language, and that means it is somewhat similar to English. It's also designed with ease of use as a priority, and it abstracts away most of the complex tasks like memory management and exception handling, enabling coders to learn it without frying their brains.

### **It opens you to lucrative work opportunities.**

Since it's such a robust and well-rounded language, it's no surprise that C# is utilized by thousands of companies. There are [5,000 C# jobs advertised in the US alone](#) (and 10,000 globally), with an [average base pay of nearly \\$80,000](#). You must admit, that's hardly an amount to ignore.

### **It's still evolving.**

The future is bright for C#. Because it's developed by Microsoft, the tech behemoth will likely make endless iterations and add useful features. And besides, C# is the [5th most popular programming language today](#), and it's not going anywhere anytime soon.

So if you want to make a name for yourself in the programming world and make yourself attractive to potential employers, start learning C#. Pick up [the Complete C# Coding Bootcamp](#), which gives you lifetime access to 11 Courses and over 89 hours of training, from beginner lessons to hands-on exercises. It's on sale right now for \$41, a sweet 94% discount from the original price of \$765.