

What is Python?

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Computer programming language developed by Guido van Rossum in 1991

A great first programming language because its syntax is not complicated, very similar to the English language

Easy-to-learn syntax allows you to better focus on learning programming concepts, rather than complex language structure

More reasons to learn Python



Community

Massive community built
around Python development

Multifaceted

Used broadly in software engineering:
server-side web development,
machine learning, data science & more

Some companies currently using Python



Quora

NETFLIX



Philosophy of Python

The Zen of Python

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Beautiful is better than ugly.  
Explicit is better than implicit.  
Simple is better than complex.  
Complex is better than complicated.  
Flat is better than nested.  
Sparse is better than dense.  
Readability counts.  
Special cases aren't special enough to break the rules.  
Although practicality beats purity.  
Errors should never pass silently.  
Unless explicitly silenced.  
In the face of ambiguity, refuse the temptation to guess.  
There should be one-- and preferably only one --obvious way to do it.  
Although that way may not be obvious at first unless you're Dutch.  
Now is better than never.  
Although never is often better than *right* now.  
If the implementation is hard to explain, it's a bad idea.  
If the implementation is easy to explain, it may be a good idea.  
Namespaces are one honking great idea -- let's do more of those!
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Source: Tim Peters
<https://www.python.org/dev/peps/pep-0020/>