Python is a [high-level](#), [general-purpose programming language](#). Its design philosophy emphasizes [code readability](#) with the use of [significant indentation](#).[32]

Python is [dynamically-typed](#) and [garbage-collected](#). It supports multiple [programming paradigms](#), including [structured](#) (particularly [procedural](#)), [object-oriented](#) and [functional programming](#). It is often described as a "batteries included" language due to its comprehensive [standard library](#).[33][34]

[Guido van Rossum](#) began working on Python in the late 1980s as a successor to the [ABC programming language](#) and first released it in 1991 as Python 0.9.0.[35] Python 2.0 was released in 2000 and introduced new features such as [list comprehensions](#), [cycle-detecting](#) garbage collection, [reference counting](#), and [Unicode](#) support. Python 3.0, released in 2008, was a major revision not completely [backward-compatible](#) with earlier versions. Python 2.7.18, released in 2020, was the last release of Python 2.[36]

Python consistently ranks as one of the most popular programming languages