

## Features in python

There are many features in python, some of which are discussed below -

### ① Easy-to-code:-

python is high level programming language. python is very easy to learn language as compared to other language like C, C#, java script, java etc.

It is very easy to code in python language & anybody can learn python basic in few hours or days. It is also developer-friendly language.

### ② Free & open source:-

python language is freely available at official website and you can download it from given download link below click on the download python keyword.

### ③ Object-Oriented language:-

One of the key features of python is object-oriented programming. python support object-oriented language and concepts of

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clauses, objects encapsulation etc.

## 4) GUI programming support

Graphical user interface can be made using a module such as Pyqt, Pyqt4, wxPython(3) Tk in python

Pyqt is the most popular option for creating graphical apps with python.

## 5) High-level language:-

Python is a high-level language. where we write programs in python.

## 6) Extensible features

Python is a Extensible language. we can write our some python code into C or C++ language and also we can compile that code in C/C++ language.

## 7) Python is portable language

python language is also a portable language. 23 Example



if we have python code [3] windows and if we want to run this code on other platform such as linux, Unix and Mac then we do not need to change it, we can run this code on any platform.

⑧ python is integrated language  
python is also an integrated language because we can easily integrate python with other languages like C, C++, etc.

⑨ Interpreted language  
python is an interpreted language. because python code is executed line by line at a time. like other languages C, C++, java etc

There is no need to compile python code. This makes it easy to debug our code. The source code of python is converted into an immediate form called bytecode.

⑩. Large Standard Library  
python has a large standard library which provides rich set of module and function so you do not have to write your own code for every single thing.

⑪. Dynamically Typed Language

NOTES

Python is dynamically typed language.

That means the type for a variable is decided at runtime not in advance. Because of this feature don't need to specify the type of variable.