



Python

What is Python?

Python is a popular programming language. It was created by Guido van Rossum, and released in 1991.

It is used for:

- web development (server-side),
- software development,
- mathematics,
- system scripting.

What can Python do?

- Python can be used on a server to create web applications.
- Python can be used alongside software to create workflows.
- Python can connect to database systems. It can also read and modify files.
- Python can be used for rapid prototyping, or for production-ready software development.

Why Python?

- Python works on different platforms (Windows, Mac, Linux, Raspberry Pi, etc).
- Python has syntax that allows developers to write programs with fewer lines than some other programming languages.
- Python runs on an interpreter system, meaning that code can be executed as soon as it is written. This means that prototyping can be very quick.
- Python can be treated in a procedural way, an object-orientated way or a functional way.

Website : website: <https://www.python.org/>



Who to create python file:

Step1: Python file, called helloworld.py, which can be done in any text editor, like Notepad , Atom, Sublime, etc .

Ex 1:

```
print("Hello world ")
```

Step2 : Simple as that. Save your file and run:

Step3 : Output will be **Hello World** .

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.17134.648]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\This PC>cd desktop
C:\Users\This PC\Desktop>cd asterisc
C:\Users\This PC\Desktop\Asterisc>python day1.py
Helo Wrold
C:\Users\This PC\Desktop\Asterisc>_
```