

Day-1 <https://youtu.be/0RdZ-i5tjVw>**Day-2**

https://youtu.be/XuD_tHMqDbI**Day-3** <https://youtu.be/IBwuPoPEswM>

5:00pm to 7:00pm

5:10pm to 6:50pm (Mon-Sat)

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High Level and Portable

Python is a high level programming language.

All high level languages are in simple English. It is easy to human by read and understands.

High level languages uses translators to convert instructions of high level language into low level languages.

1. Interpreter
2. Compiler

Interpreter translates and executes instructions line by line.

Interpreter shows one error at a time.

Compiler translate whole program and executes.

Compiler shows all the errors occurs within program.

Portability allows developing and running python applications irrespective of operating systems and hardware devices.

Extensible and Embeddable

Python is embeddable language, means python programs can be embedded or inserted into other programming languages.

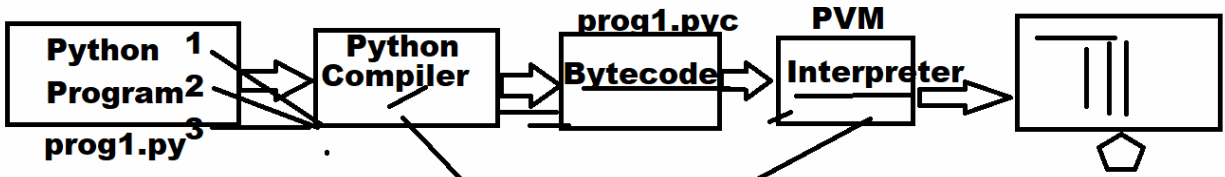
Python is extensible language, means other languages code can be used inside python.

Object Oriented

Python is object oriented programming language.

Object oriented is not a language; it is a programming paradigm which defines set of rules and regulations for writing programs.

How python is compiled and interpreted?



Python software and Versions

Current version of python software is 3.12.4

What is 3?

What is 12?

What is 4?

3 → Major Version

12 → Minor Version

4 → Micro Version

What is difference between Major, Minor and Micro Versions?