

- DATE / /
- x) Cyber security.
 - ix) Audio & video processing.
 - xii) Lang. Development.
 - xiii) Operating system
 - xiv) ~~CA~~ CAD/CAM.
 - xv) Blockchain.
 - vi) Devops (Develop operations) with python.

13/10/23
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Python History :-

- 1980's by guido van Rossum.
- successor to the ABC programming lang, which was inspired by SETL.
- 1st version released in the 1991 year.
- Python lang. is developed by taking features from various programming languages.

- 1) C (procedural programming)
- 2) C++ (OOPS)
- 3) Perl (scripting lang)
- 4) Modular (modular programming)

Python Versions:

Versions are nothing but changes within python language. ~~There~~ software.

Python comes in 3 versions

- 1) Python 1
- 2) Python 2
- 3) Python 3

Python is a product of PSF.

↳ Python s/w foundation. DATE

1, 2, 3 are called major release or versions of python language. There is no compatibility b/w major versions.

versions diff. syntax different

Python 2	Python 3
print "Hello"	print("Hello")

↓
version stopped in 2010.

Python 1 → Python 1.0, Python 1.1, Python 1.2, Python 1.3
Python 2 → Python 2.0, Python 2.1, Python 2.2 : ... 2.7.
Python 3 → Python 3.0, Python 3.1, Python 3.2, ... Python 3.

What is PEP?

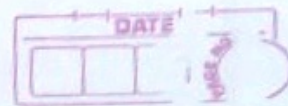
⇒ PEP stands for python Enhancement proposal. It is a technical document which consists of change ~~data~~ done within python language.

Python 3.12 → PEP 693
Python 3.11 → PEP 664

Python features :-

↳ Python Features are nothing but facilities provide by Python languages to software developers.

- Easy or simple
- Free and open source.
- Larger standard libraries.
- Platform Independent.
- Dynamic lang.
- portable.
- High level.



- Extensible.
- Embeddable.
- Robust.