

Unit I

Introduction to Python Prog.

- ❖ History of Python
- ❖ Version of Python
- ❖ Features Of Python
- ❖ Application Of Python
- ❖ Installing Python on Linux and windows

History of Python

- Python laid its foundation in the late 1980s.
- The implementation of Python was started in December 1989 by Guido Van Rossum in Netherland.
- In February 1991, Guido Van Rossum published the code (labeled version 0.9.0) to alt.sources.
- In 1994, Python 1.0 was released with new features like lambda, map, filter, and reduce.
- Python 2.0 added new features such as list, garbage collection systems.
- On December 3, 2008, Python 3.0 (also called "Py3K") was released.
- ABC programming language is said to be the predecessor of Python language.

Python 1.0	January 1994
Python 1.5	December 31, 1997
Python 1.6	September 5, 2000
Python 2.0	October 16, 2000
Python 2.1	April 17, 2001
Python 2.2	December 21, 2001
Python 2.3	July 29, 2003
Python 2.4	November 30, 2004
Python 2.5	September 19, 2006
Python 2.6	October 1, 2008
Python 2.7	July 3, 2010
Python 3.0	December 3, 2008
Python 3.1	June 27, 2009
Python 3.2	February 20, 2011
Python 3.3	September 29, 2012
Python 3.4	March 16, 2014
Python 3.5	September 13, 2015
Python 3.6	December 23, 2016
Python 3.7	June 27, 2018
Python 3.8	October 14, 2019

Features of Python

- Easy-to-learn , read , maintain . It is expressive language
- Free and Open Source
- Object-Oriented Language
- GUI Programming Support
- Extensible feature
- Portable language
- Interpreted Language
- Large Standard Library
- Dynamically Typed Language
- Python code is about one third of the size of equivalent C++ and Java code

Application of Python

- Machine learning
- Artificial Intelligence
- Game development
- Console based application
- Website development
- Image processing application
- GUI application
- Audio /video application
- Software Development
- Data Science
- Business Application
- Data Analysis and many more

Installation of Python

- ▶ Visit <https://www.python.org/downloads/>