



Python Version

Mayank Aggarwal

Today's Agenda

- Version History
- Python 2 v/s Python 3

Python Version History

- First released on Feb-20th -1991 (version 0.9.0)
- Python 1.0 launched in Jan-1994
- Python 2.0 launched in Oct-2000
- Python 3.0 launched in Dec-2008
- Python 2.7 launched in July 2010
- Python 3.6.5 launched on March-2018
- Python 3.7 launched on June-2018
- Python 3.8 launched on Oct – 2019
- Python 3.9 launched on Oct – 2020
- Python 3.10 launched on Oct – 2021
- Python 3.11 launched on Oct – 2022 [Latest version]

The Two Versions Of Python

- As you can observe from the previous slide , there are 2 major versions of Python , called **Python 2** and **Python 3**
- **Python 3** came in **2008** and **it is not backward compatible with Python 2**
- This means that a project which uses **Python 2** will not run on **Python 3**.
- This means that we have to **rewrite the entire project** to migrate it from **Python 2** to **Python 3**

Some Important Differences

- In Python 2
`print "Hello iNeuron"`
- In Python 3
`print("Hello iNeuron")`
- In Python 2
`5/2 → 2`
`5/2.0 → 2.5`
- In Python 3
`5/2 → 2.5`
- The way of accepting input has also changed and like this there are many changes

The Two Versions Of Python

- So to prevent this overhead of programmers , **PSF** decided to support **Python 2** also.
- But this support will only be till **Jan-1-2020**
- You can visit <https://pythonclock.org/> to see exactly how much time is left before Python 2 retires

Which Version Should I Use ?

- For beginners , it is a point of confusion as to **which Python version they should learn ?**
- The obvious answer is **Python 3**



Why Python 3 ?

- We should go with **Python 3** as it brings lot of new features and new tricks compared to **Python 2**
- Moreover as per PSF, *Python 2.x is legacy, Python 3.x is the present and future of the language*
- All major future upgrades will be to Python 3 and , Python 2.7 will never move ahead to even Python 2.8