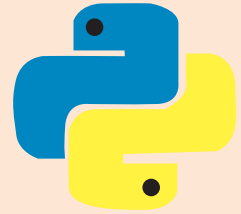


## Why Python in standard XII curriculum?



This is the question that is fretting the minds of teachers and students.

The present book is organized in such a way that even a novice reader can grasp and work on python programming.

### Testimonies

- "Python has been an important part of Google since the beginning and remains so as the system grows and evolves. Today dozens of Google engineers use Python, and we're looking for more people with skills in this language." -- **Peter Norvig, director of search quality at Google, Inc.**
- "Python is fast enough for our site and allows us to produce maintainable features in record times, with a minimum of developers," -- **Cuong Do, Software Architect, YouTube.com**

Python's popularity has seen a steady and unflagging growth over the recent years. Today, familiarity with Python is an advantage for every programmer, as Python has infiltrated every niche and has useful roles to play in any software solution.

Python has experienced an impressive growth as compared to the other languages. The **IEEE Spectrum magazine** published by **the Institute of Electrical & Electronics Engineers, New York**, ranks Python as the top language for 2018, for the second consecutive year.

The above statistical data has maintained its grip with Python scoring 100 and C++ language stands second nipping at its heels with a 99.7 score.

Python being popular is used by a number of tech giants like **Google, Instagram, Pinterest, Yahoo, Disney, IBM, Nokia etc.**

1. Python	100.0
2. C++	99.7
3. Java	97.5
4. C	96.7
5. C#	89.4
6. PHP	84.9
7. R	82.8
8. JavaScript	82.6
9. Go	76.4
10. Assembly	74.1

### Many businesses are advised to choose Python for the following reasons:-

- Easy syntax and readability
- High level scripting language with oops
- famous for enormous functions, add-on modules, libraries, frameworks and tool-kits.
- Built-in functions supports scientific computing.

With the advent of computers, there have been significant changes in the way we work in almost all the fields. The computerization has helped to improve productivity and accelerate decision making in every organization. Even for individuals, be it engineers, doctors, chartered accountants or homemakers, the style of working has changed drastically. So as we go, let us accept the change and move towards a brighter day ahead.