skill academy

Introduction to Python

By Utkarsh Tiwary

Agenda

- What is Python?
- Features of Python
- Python in Industries
- Projections of future traffic
- Career Opportunities

What is Python?

- Python is a general purpose programming language developed by Guido Van Rossum in 1991
- It is dynamically typed.
- It is a high level language.
- Offers simple syntax which is easy to grasp
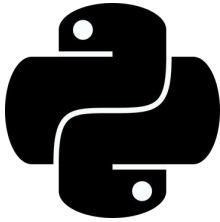- It is interpreted
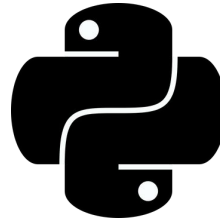
Features of Python

Beginner Friendly syntax

Open Source

Portability

Object Oriented

Features of Python

Interpreted

Supports a large number of libraries

Dynamically typed

Support for GUI
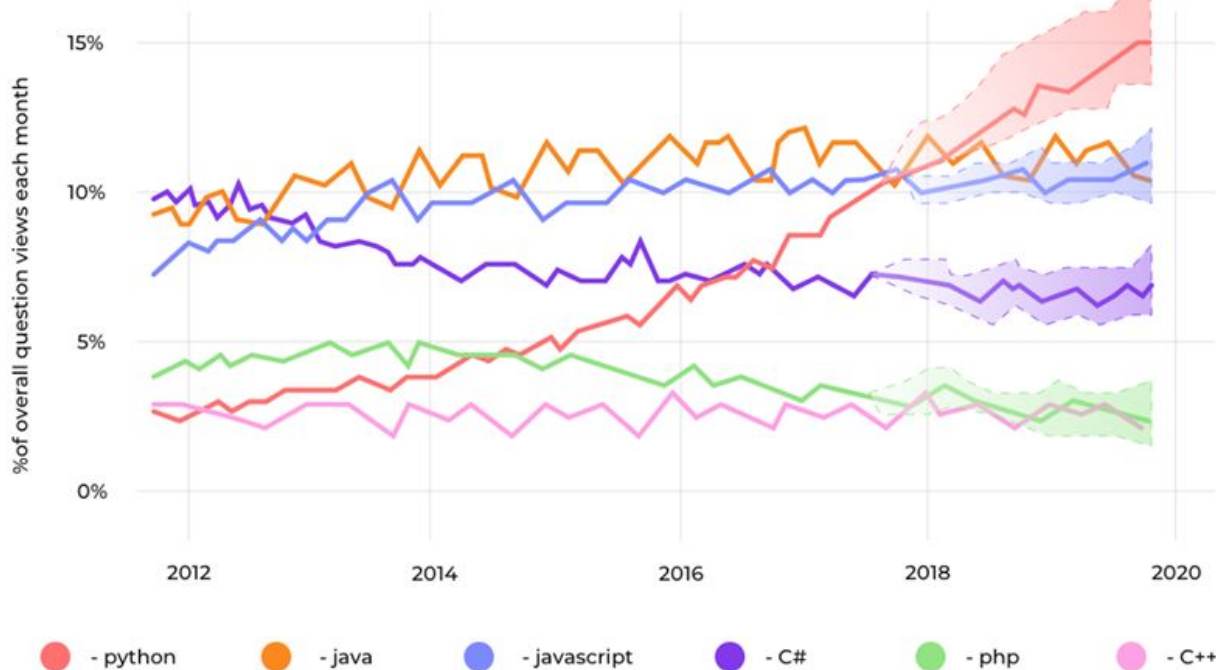
Python in industries

- Meta uses Python to tag friends in images
- Google uses Python in Language Translation and to improvise search results
- E-commerce giants like Amazon, Flipkart uses Recommendation system
- Dropbox server and client application uses Python

Projections of future traffic

Projections of future traffic for major programming languages

Future traffic is predicted with an STL model, along with an 80% prediction interval

Career Opportunities

- Web application development
- Data Science and Data Analytics
- Machine Learning
- Deep Learning
- Web Application testing
- Big data analysis
- Smart IOT Devices