

## **Python Language Concepts:**

- Python is a general purpose high level programming language.
- Python was developed by ‘Guido Van Rossum’ in 1989, while working at National Research Institute at Netherlands.
- But officially Python was made available to public in 1991. The official Date of Birth for Python is: Feb 20<sup>th</sup> 1991.
- Python is recommended as first programming language for beginners.
- The name ‘Python’ was selected from the TV Show “The Complete Monty Python’s Circus”, which was broadcasted in BBC from 1969 to 1974.
- Python language developed by taking all programming features from different languages.
  1. Functional Programming Features from **C** language.
  2. Object Oriented Programming Features from **C++** language.
  3. Modular Programming Features from **Modula-3**.
- Most of the syntax in Python Derived from **C** and **ABC** languages.
- There are **33** Keywords are used in Python language.
- The Maximum length of the Identifiers in Python language is **79** Characters.

## **Features of Python Language:**

1. Simple and Easy to Learn.
2. Freeware and Open Source.
3. High Level Programming Language.
4. Object Oriented and Interpreted Language.
5. Cross- Platform Language.

## **Applications of Python Language:**

1. Web Development.
2. Game Development.
3. Software Development.
4. Data Science and Visualization.
5. Website Creation.
6. Computer Graphics.