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**1. What is python?**

**Ans.** Python is a general purpose, high level, interpreted language with easy syntax and dynamic Sematics.It has built in data structures, combined with dynamic typing and dynamic binding ,making it very attractive for rapid application development, scripting or as a glue language to connect existing component together.

Python was created by **GUIDO VAN ROSSUM** in 1989.

**2.Why python is popular?**

**Ans.**

* It is highly productive as compared with c, c++ etc.
* It is also popular because of its simple programming syntax like reusability, simple words in coding like English.
* It is easier to make models for machine learning.
* It can be easily understandable.
* It is having set of python libraries and framework.
* Because of its Versatility, Efficiency, Reliability and Speed.

**3.What are the features of python?**

**Ans.**

* **Open source:** Its source code is freely available to public. We can also download it from the official website.
* **Simplicity:**  It is simple to code and understand.
* **Portability:** It can run on any platform like windows, unix, linux, macos etc
* **Embedded and extensibility: Python** is extensible. We can use code from another languages like c++ in python code.It also embeddable. You can embed your python code in other languages like c++.
* **Interpreted:** Python is interpreted language. It comes with **IDLE** (Interactive development environment). It executes and displace the output of one line at a time.
* **Huge libraries:** The standard library is large. If you need something that will be available in this library.
* **Object-Orientation:** Even though it is object oriented it also supports both functional and object-oriented programming. Everything in python is an object.