PYTHON

1. **Definition:-**

Python is a programming language often used to build websites and software, automate tasks, and analyze.

1. **Overview:-**

Python is a multipurpose, high-level, object-oriented programming language. Three properties that make it popular with coders and developers. Python is multipurpose because it can de used to create software and apps, design websites, and automate repetitive tasks.

1. **Types of Python:-**

Python has several built-in data types, including numeric types (int, float, complex), string (str), Boolean (bool), and collection types (list, tuple, dict, set).Each data types has its own set of properties, methods, and behaviors that allow programmers to manipulate and process data effectively in their programs.

1. **Keyword:-**

A Python keyword is a word that server a specific function in Python. It is limited to one single function and it cannot be set as a variable name, a function name, or the value of any other identifier. The purpose of Keyword is to define the syntax of the code.

1. **Features in Python:-**

* Easy to code. Python is a very high-level programming language, yet it is effortless to learn. …
* Easy to Read.
* Free and Open-Source.
* Robust Standard Library.
* Interpreted.
* Portable.
* Object-Oriented and Procedure-Oriented.
* Extensible.

1. **Class in Python:-**

A class is a code template for creating objects. Objects have member variables and have behavior associated with them. In python a class created by the keyword class. An object is created using the constructor of the class.