**Que.Explain Feature of Python.**

Python is high level, dynamic, free source, interpreted programming language.

It supports object oriented as well as procedural programming language.

**Features of Python**

There are many features of python and as follows:

1. **Easy to learn**

* Python is high level programming language,
* It is very easy to code compared to other programming language like c, c++, java etc.

1. **Free and Open Source**

* Python is freely available at the official website and we can download from it.
* It is open source ,this means that source code is available to the public.

1. **Object Oriented language**

* One of the feature of python is object oriented programming.
* Python supports oops concepts like classes, objects etc.

1. **High-Level Language**

* Python is a high level programming language.
* When we write code in python ,we do not need to remember system architecture as well as we do not need to manage memory.

1. **Python is portable language.**

* If we have python code on windows and we want to run this on other platform such as linux, mac then we do not need to change it.
* We can run this code on any platform.

1. **Integrated Language**

* Python is a integrated language. we can easily integrate python in other programming languages like c ,c++ etc.

1. **Interpreted language.**

* Python is interpreted language because python code is execute line by line like other programming languages.
* There is no need to compile python code this makes it easier to debug our code.
* The source code of python is converted into an immediate form call bytecode.

1. **Large Standard Library**

* Python has large standard library which provide rich set of modules and functions so we don’t have write a code for every single thing.

1. **Dynamically Typed Language**

* Python is a dynamically-typed language. That means the type for a variable is decided at run time not in advance because of this feature we don’t need to specify the type of variable.