1. **What is Python?**

* Python is a general purpose high level programming language. It supports OOPs concept.
* It has features like Dynamicity (Open Source), Extensible (most of the language like html, CSS, JavaScript can write in it), Portable (can run on any operating system).
* It has a wide application like Web based application creation, Artificial Intelligence, IoT, Server side scripting etc.

1. **What is Datatypes?**

Datatype is a classification that tells a computer which kind of value can be assigned to a variable. It consists of two types.

1. **Mutable:-** It is data types in which the value assigned to a variable can be changed. These include list, set, and dictionary.
2. **Immutable Data Type:**It is a type in which the assigned to a variable cannot be changed. These include Float, Int, Bool, String. Complex.
3. **Difference between List and Tuple?**

|  |  |
| --- | --- |
| List | Tuple |
| 1. It is enclosed by Square bracket [ ]. | i.It is enclosed by brackets ( ). |
| 1. It values can be changed | ii .Its values cannot be changed. |
| 1. It is mutable datatype. | iii. It is Immutable data type |

1. **What is String?**

* String is a sequence of character enclosed by quotation mark.
* Any alphabet, integer, symbol inside quotation mark considered as a string.