

## Assignment.

1. what are the datatypes in python? explain.

→ the datatypes in python are:-

- i, int - integer datatype
- ii, float - floating datatype
- iii, str - String datatype
- iv, complex - complex datatype
- v, bool - boolean datatype

2. Briefly explain history of python?

→ python is a high level programming language. It was initially designed by Guido van Rossum in 1991 & developed by python software foundation. It was developed for emphasis on code readability, its syntax fewer allows programmers to express concepts in fewer lines of code.

3. Explain all the operators in python?

- i, arithmetic operators
- ii, Assignment operators
- iii, comparison operators
- iv, logical operators
- v, Bit-wise operators
- vi, Identity operators
- vii, membership operators



4. Explain the features of Python?

- i, Python is a high-level language.
- ii, Python is an interpreted language.
- iii, Python is cross-platform language.
- iv, Extensive language.
- v, Object-oriented language.
- vi, Integrated language.

5. Justify why Python is interactive interpreter language.

→ Python is called an interpreted language because it goes through an interpreter which turns code you write into the language understood by computer's processor. We can run a code without compiling which is not present as in C language.