

1. What are the data types in python? Explain

a. The datatypes in python are:

1) int integer data type.

2) float datatype

3) string data type.

4) complex datatype.

5) boolean data type.

2. Briefly explain history of python?

a. Python is a high-level programming language.

It was initially designed by Guido van Rossum in

1991 and developed by Python Software Foundation.

It was developed for emphasis on code readability.

Its syntax allows programmers to express concepts in fewer lines of code.

b. Explain all the operators in Python.

a. The operators in python are:

1) Arithmetic operators.

2) Assignment operators.

3) Comparison operators.

4) Logical operators.

5) Bit-wise operators.

6) Identity operators.

7) Membership operators.

4) Explain the features of Python?

1) Python is a high-level language.

2) Python is an interpreted language.

3) Python is cross-platform language.

4) Expressive language.

5) Object-oriented language.

6) Integrated language.

5) Justify why Python is 'interactive' 'interpreted' language.

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