Assignment - 2

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I What are the datatypes in python? Explain Integers: positive or negative whole numbers (without a fractional part) are the integers datatypes in Python

Float: Any real number with a floating point representation in which fractional component is denoted by a decimal system

Complex number: A number with a real and imaginary component represented as x+yj, x and y are floats and j is -1 (square root of -1 called àn Emaginary number)

Boolean: Data with one of two built-in values True or False. Notice that 'T' and 'F' are capetal true and false are not valid booleans and python well throw an error from them.

String: - A string value is a collection of one or more charactus put in single, double or triple quotes lat: A lat object is an ordered collection of one or more data items, not nessarily of the

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some type, put in square brackets.

pupie: A tuple object is an ordered collection of more data items inor necessarily of the same type put in parentheses.

of briefly Explain the history of python?

Rython was oceated by auido Van Rossum in 1980 to 1990. He was a member of the National Research institute of mathematics and computer science initially it was designed as a response to the ABC programming longuage that was also foregrounded in the Nether lands. Among the man features of python had acception handling and was targetted for the Amoeba operating system the name python is named from the British TV show Monty Python in addition to exception handling, python included classes. Lists and strings.

baplain the operators in python?

perator in python are Arthemetic operator

Relational operator

Assignment operator

lugical operator

Membership operator

Identity operator

arthuise operator

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- multiplication, Diverson, modulus, Exponentiation
- * Relational operators ou <, >, <=, >=, ==, !=
- Assignment operators are = , +=, -=, 1=, *=, 1,=, 11.
- ogral operator are and or not.
- * membership operator over in not in
- dentity operators are is is not
- Bitwise operators are Binary AND(8),
 Binary OR(1), Binary XOR(1), ~. <<.>>
- Exprain Feature of python?
 - A Easy to code of process to the state of the
 - & Free and open source
 - object-oriented language
 - 4 GUI programming support
 - # High-level language
 - A Extensible Feauture
 - 4 python es portable langteage
 - python u enterpreted language.
 - * interpreted languouge
 - * large standard library
 - A Dynamically Typed Language.

Jutify why python is interactive interpreted language

inlike Gett etc., python is an interpreted object.

oriented programming language. Unlike C

language, which is a compiled language. The

complier translated the whole code in one-go

rather than line-by-line. This is the reason why

in a language, all the errors are luted during

compilation only.