Assimment - 2

1) What are the data types in ph python? Explain

* Number objects when a number is assyred to a variable

Ex:- a=3, b=5

Phython supports h types of numeric data. 1 int (10,2,29,etc)

- 2. long (908090400L,-0x1929292L,etc.)
 - 3. float (1.9, 9.902, 15.2, etc.)
 - 4. Complex (214;,20+23),etc.)
- * String: String can be defined as the servence of challey represented in the quatation masks. In pathon, we can use single, double, or triple quotes to define a string

Example; styl = 'helio world' styz= 'how are you'

- * List: Lest are similar to avvays in a However! the list can contain data of different types. The items stored in the list are separated with a comm(,) and enclosed within square brackets[]
- also Contain the Collection of the items of different datatypes. The items of the tuple are seperated with a datatypes. The items of the tuple are seperated with a comma (,) and enclosed in parentheses ().
- *Dictionary: Dictionary is an ordered set of a key-valle pair of items. It is like an associative array or a hash table where each key stores a specific value likey table where each key stores a specific value wan can hold any primitive data type whereas value wan aubitary python object

Builty Explain the history of python? @ python was created by "Goido van Rossom" on 1940 to 1990. He was a member of Notional Vereauch institute Markmotice and computer science instally describe Resigned as a vesponer to the ABC programmes language that was also foregrounded in the Netherlands Among the man teative of a python compared to m ABC language was that python had exepten handling and was taggeted for the Amoeba operation system the name python is named from the British Trishow Monty python # In addition to Exception handling, python induted classes, lists and shings @ Fxplan the operators python? @ operators in python are * Arithmetic operator * Relational Operator * Assignment operator * logical operator * Membuship operator * identity operator * Bitwise * Arithmetic operators :- +, -, *, 1, %, ** , 11 * Relational operators:-۷, >, <=, >=, ==, \= Assignment operators; 二,+=,-=,/= 後=,10三,**=,11=1. * Logical operator: and, or, not * Membershap operator; in, not in * Identity operator: is, is not * Bitwire operator :-A, 1, 1, 2, 2x, 22

B Explain Featory of python?

B* Easy to Code

A free and open source

* Object - oriented language

* Cui programming support

* High level language

* Extensible teature

* python in integrated language

* python is portable language

* python is portable language

* python is portable language

* longe standard library

* Oynamically Typed language

Distrity why python interactive interpreted languax! A unlike elect etc., python is an interpreted object oriented programming language unlike clanguage which is a compiled programming language. The compiles translate is a compiled programming language. The compiles translate the whole code in one-go rather than line by line. This is the reason why in a language all the exception is the distribution only