Assignment 1

- 1) what are the wooden types in hythan? Enhlain
- sol The chasic date clybes were int, float, str, hist, dist, dist, tuh, Set, hood
 - i) Integer int = consists of webste number il 0 to &
 - ii) floating hoint Stoat = decimal numbers
 - (ii) String Ste = ordered segmence characters
 - iv) Lists list = ordered sequence character, []
 - v) Dictionaries dict = unordered key : { ' : ' }
 - vi) Tuhles tup = ordered mutable sequence (
 - vii) Lets set = undedered will of unique obj {, }
 - viii) Boolean- bool = true or false
 - 2) Briefly explain history of Pythan
- Il Python is a high-level programming language of was designed by Guido van Loss un in the year 1991 & was develophed by Python year 1991 & was develophed by Python Software Soundation. The Syntax in hython

contain less member of lines than compaced with any other throughauting language. so, this makes it more readable & allows programmers to concerts in fewer lines. Python is among top five most hopelar languages

- 3) Earlein all the operators in Python?
- 50] There vous mainly 7 types of operators
 - i) As i themetic Operators Then are used with numeric values to perform common mathematical operations

島 (+, -, *, /, %, xx, //

values to the variable

(iii) comparison operator - these are used to compare two values

- iv) Legical cherator heed to combine conditional statements
 - & and a not
- Identity operator used to compare the objects Es is, is not
- is husented in an object

弘 in, not in

- Es and, or, xor, not, zero six let shift, vight shift 2,1, ~, ~, ~ > >
- 4) Explain the features of Python
- Sol It is a high level language
 - most habulal
 - Easy to code
 - 91 is hortable language
 - qui Programming Support
 - Lee & Ohen Soucce

5 Justify vely Python is interactive interpreted language

so it support object - oriented language so it supports

so it support object - oriented style or technique of

Prooperming that encapsulate leads withing objects

so it is interactive language . Python is called

interpreted language because it too goes through

an interpreted until the trans code you write

into the language understood by the computer

horiesses that she wearon hython is interactive

interpreted language