HSsignment-2

1. what the data types in python? emplain.

1) Numeric data-types

1) Pint-Pintegery is a whole number, without decimals of
limited langth.

2) float: Float point number es a number, positive ex negative.

Contains one or more decipals. en - V=32

3) complex complex number are written with a "i" as a "maginary part. Emaginary part.

", Test Datatype "Herals in python are Surrounded by north , string- letring qualotion marks or double grundation marks et double grundation marks et double grundation marks et double grundation marks et double grundation marks eg: V= "His, Grand morning

1) bool-only two expression ty True or False. If it suns the condition statements it gives true or elese False. in Boolean dalatype-

2. Emplain the history of python? A python has become one of most interesting programming Pollon has become one of most interesting from proming larguage of our time. It was concived by guide Van larguage of our time. It was concived by guide Van Rossum at CwI in the Notherlands during late 1980's The Most Amazina story is that he created python using the Most Amazina story is that he created python using stelly his Compoter. His Simple machine and his brilliant mind had was this simple machine and his brilliant mind had was this simple machine and his brilliant mind thus, the first version of this program first appeared in 1991, that is 29 years ago. python was ironically named after the famous British sketch comedy named after the famous British sketch comedy series moving python the famous British sketch comedy father was a big fam.

In February 1991, the First public Version of python numbered 0.9.07, was posted usenet at Source. forum.

New python Succeeded in Dietasting the new majori Version, python 3.0 in 2008 and followed by upcoming Version.

3) Explore all the operators in python?

4) 1) Arithmetic operators: used to perform Common Mathematical operation, they are. AWARDE. Operators Name RES Adderson Subtraction Multiplication Division Model as. ** eaponent Floor divigion 2) Assignments operators-To-Assign Values to Variable operators Name enample a=32 CO=7) a-= 28 et= 93 at= 9 ax=1 11= 911=17 *= G##= 25 a\$= 30 a1=7 >>= a1=3 11= 9>>=22 3) Comparision azz= 64 operator Name egral not equal greater than less than greatesthan or equal to less than or equal to

4) Logical operators: operator Description Returns True if Statements is and Returns True of one statement is 160 Reverse the gresult if the Sesult is not True, Dietures False. 5) Identity operators .-Description. operators Returns True of both Variables are same object.
Return True of both Variables one 95 not not some object. of Charles 6) Bitwiee operators: operatos, Name -AND OR XOR NoT shift 11 Right shift 4) Explain the features of Python?

A) Dython provides lots of features that are listed 1) Expressive language:Python language is more empressive means that is more understable and saturble steadable. 2) free and open Source:python language as freely available at efficial web address the code is available. 3) Easy to learn and use:

Python is easy to learn and use it is
Leveloper Friendly and high level programming 4) (nut progreomming support:-graphical user interface (an be-developed using bython. 5) Integrated:
It can be easily integrated with language like c+ c, Jak, etc.

5) Justify why python is interactive prefer language Inderactive mode is a Command line Shell which gives immediate feed back for each statement while Swaring previously fed statement in active memory. As new linear are fed indo the interpreter, the fed program is evaluated both in part and in whole