1. What are data types in python2 Explain. In programming data type is an important concept. Variables can store date of different types. Python has these builtin data A.

Intesers, floating point numbers and compo Rython numbersi numbers fall under python number. They are defred as intifloat and complex dases in Pathon

255 Leme value

2= 2.0 Heloak value

2-1+2) Homplex value

Boolean tro

It is of bue (01) fame.

Xr True + boolear tree.

Stringst.

X: "Hello would" History of who characters

12. Explain history of python.

A- of thon is widely used general-purpose, high Tevel programming language. It was designed by Guido van Possum in 1991, It's mon idea was emphasis on code readability and i's Syntax allows programmers to express concepts in fewer lines of code. Python 3. 83 is the latest version currently there when it was released it used a lot four codes to express the concepts, when compare it with Java, cat and a It's main objects NS to provide code readability and advanced developer productivity. Python is now best coding language in the world It is the inspiration for many coding languages Such as Rubticobra, Swift Go, Julia.

3. Explain all the operators in python.

perform mathematical operations like addition, subtraction, em

E~ +, -, *, 1, 1/1/1, **

(1) Relational aperators. The e compare the Values. They return true (24) false.

臣 コルインニニリング・

Not operate These perfor AND, of and

E- and, or, not

(But we operators

V11, ~, N, >>, 26

(Assignment operator

= (+= , -= , x= , /= , /= , 1 = , x x= ,

10-11= N=137=166=

(N) Special operation

is is not in not in

4. Features of pathon

D. I. East bo code

g Free and open source

3 - Object-Oriented (2nguage

4. GUI programming support

5 High-level language

6. Extensible feature

7. Python is portable lansvase

- 9 Python is interpoled larguage
- By Interpreted language.
- 10- Large standard library.
- 11. Dynamically Typed language
- 5. DWASTIFF why python is interactive interpreted
- Python is interpreted cop. Unlike c, the

 1's interpreted line by line in machine

 veadable byte-codes It is interactive.

 when a statement is enterdiand is followed by return key. If appropriate, the

 result will be printed on screen, immediate in the next line. This interactive is

 (nvoked by typing python in command prompt