what are the data types in python. Explain?

-> if Numbers:

Number data types stores numeric values. Number objects are created when you assign a value to those

Ext a=10 b= 11.25

Strings in python are identified as a Contiguous et shings: 8et of characters represented in the quotation marks. python allows either a poir of single (or) double Ex: x=" orang"

& lists =

lists are the most versafile of python's compound data types. A list contains items separated by commas, enclosed within square brackets.

Ex; 4=[02,34]

tuple les another Sequence datatype is similar At Tuples; to list. A tuple consists of number of values
Seperated by commos, enclosed within paranthus

Ex = Z= (1/2/3/4/5/6,7/8)

Python's dictionaries are kind of hash table type 52 Dictionary ; They work like associative arrays or hashes found in perl and consist of key-value pairs. A dictorary Key can be almost any python type - but are walle ou other hand, can be any arbitary python object. Dictionaries are enclosed within custry name": "shravani", age: 193. braces.

Explain briefly history of python?

r. python was conceived in the late 1980s.

· Its implementation was started in December, 1989. by quido van Rassum at (WI in the Netherland.

- python was named for the BBC tv show Monty

python's flying circu.

· Pythod 2.0 pas released on october 16,2000 with new teatures. Including a cycle detecting garbage collector for memory management and support for unicode. The most important change was to the development process itself.

· Python 3.0, backards - incompatible release. retased ou December 3,2008 after a long period of testing Hany of major teatures have been back ported to the backwards- compatible while by now

unsupported, python 2.6 and 2.7 · pith ints released, it was eved a 6 t fever coles to express the concepts, when we compare it with

Java, Cqctt,

Explain all the operators in python?
operators are the Symbols that perform
mathematical operation between two operand.

mathematical	operations bowers	
Mother reaction operator	operators: Description	Syntax
opa aus.	addition	atb
+	Suppraction	a-b
The state of the s	multiplication	arb
*	orgiston	alb
	twoor division	allb
11	Modulus	a"1.b
**	power	a**
70		

,0, -1 0	norator :	321610301055
et Relational o	pescription Greater than	8yntax a>b
2000000	less than	acb
>=	Greater than or Equal to	ar=b
1=	less than or equal to	a<=b
= = 34 34	Equal to	a!=b
32 logical ope	erators:	
operator and or	Description logical AND logical OR logical NOT	Syntax a and b a or b not a
4) BANISC Operator	Description Bitwise AND	Syntax
2	Bitwise of Bitwise of	alb
N	Bitwise XOP.	a^b
>>	Bitwiscright	att
<<	Bitwise left shift	T' THE POST FOR

suitable for beginners. 4 cross-platform language. python an run equally on different platforms like windows, linux, unix etc. 80 we ansay that it is portable language. 5% free and open source: This language is freely available at official web address. The source-code is also available So, it is open source. 62 object oriented language. This language supports the concepts of classes

5 & Special operators;

62 Membership operators;

-> 4 Easy to learn and use

21 Expressive language.

3/ Interpreted language.

4) Explain the features of python?

understandable are readable.

q objects come into existance.

It implies that other languages such as clotte can be used to compile the code and thou fit can be further used in our python code

82 large standard library. rich set of module and functions for rapid. application development.

as aux programming support. Graphical User Interfaces can be developed using python

102 Integrated

2+ can be ossily integrated with language like c, c++, Java etc.

52 Justify why python is interactive interpreted

Python is interpreted language since interpreter code line by line at a time. This makes debugging asier. And convert makes debugging asier. And if any error is concented and if any error is concented and if -ed it stops the translation until the error & fixed.

Python & interactive when a python statement is entered, and is followed by the return key it appropriate, the result will be printed on screen Emmediately en next line. It is used in a Similar. way as the unix command line or the terminal And is helpful for the debugging purpose.