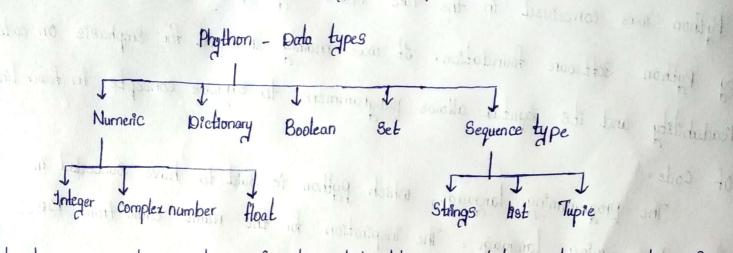
1. What are the different types in python? Explain?



Data type represents a kind of value which determines what operations can be performed Month Python's apply Chart on that Data.

Numeric: It is any representation of data which has a Numeric Value.

Integer: - Positive (or) Negative whole numbers.

ochas etgesnos adh es yes float: - Any real Number with a floating point representation in which a fractional component is denoted by a decimal symbol (i) scientific notation.

Complex Number: A Number with a real and imaginary component represented as x+ij, & and Y are floats and j is -1 (square root of -1 called an imaginary Nomber

Boolean; - It has two built in Values true (0) False.

TEF are capital.

Sequence type: - It is an ordered collection at similar (or) different data types. string: - It is a collection at one (or) more characters put in single, double (or) triple Quotes.

lest: It is an order collection at one (or) more data sterns put in square brackets.

Dictionary: It is an unordered collection of data in a key; Value pair form. A collection of such Pairs 18 Enclosed in curly braces.

2. Briefly Explain History of Python?

Python was concerved in the late 1980's By Guido Van Rossum and developed by Python Software foundation. It was marnly devolped for emphasis on code readability and its syntax allows programmers to Express concepts in fewer lines

The programming language, which python is said to have succeded in of code. ABC Programming language. The inspiration for the name come from BBC's tion the seasons a Kind of Value ax in admin

" Manty Python's flying Circus".

The language was finally released in 1991. It uses a lot fewer codes to Express the Concepts. When we Compare it with Java, C++ & c , It's design Phylosophy was too good.

The main Objective is to provide code readability and advanced devolped the set to state (b) Negative anale hand is

Productivity. The Tome pass premount som sol a detail reduced to restaurate relative

3) Explain all the operators in phython?

Arthimetic operators

destanted

perators	Description	Syntax
tion sho	Addition, Adde two operands	aty .
-	사람들은 100 HT	x-4
No.	Multiplies two operands	ry
1 / 1 mm	float, Dhvides the first operand Secon	by aly
n	floor, distincts the first operand second	by ally
./.	Modules, leturns remainder	* . /. 4

loo o if the post

id no et the state

the all the spoots of

de de minimo de

· sideof sim

Greater than x>y Equal to x = = y = = Not Equal x!=y

Greater than Equal x>=y フ=

logical operator

True if both the operands are true and x and y

True if Either of the operands are true or y or

True if operand is false Not a not

Bitwise operators

S Bituise AND Aly Bituise OR 214 Bituise NOT Zny A Biturse XOR Bitwise Right shift x>7

Assignment operators:

Assigning the values from right to left 2 = a+b left side operand and then assign to left a + = b a = a + b

girl pros of our to : trapper goromagen

Subtract a-b and assign to a a = a - b might pitche is

l= Divide alb & assign to a al=b

of the distribution of the second

La di mant

nt someth set rolars

see how must of essis

and the sound surrought

discontinued belongs of

i mens upo que an

Arding postation filly

siles the stigned

Modulus at a 1. b and assign to a a 1. = b a=a1.b

f = Perform as b and assign to a as=b a=asb >> = right sight a >>=b a = a>>b

4. Explain the features of Python: Easy to learn and use.

Espressive languages: - understandable and readable

Interpreted language: Detrugging is Easy.

Cross platform language: - portable Language. It can tun Equally at different Platforms .

free and open surface: - It is freely available at Official web address.

Object oriented language: - It supports concepts at class and objects came into existence.

Extensible: - It implies that other languages such as c, C++ can be used to

GUI programming support: - It can be easily Integrated with languages like C, C++ , Java A

C, C++, Java.

Integrated: - Graphical User interfaces can be devolped using python.

5. Justify Python as an interactive interpreted Language?

Bython is an interpreted object oriented programming language. the interpreted 13 meant that Each time a Programm, 13 run the interpreter checks

6

through the code for errors and interprets the instruction into machine readable byte code.

It is a translator in computer language which translate the given code line by line in machine readable byte code if any Error Encountered it stops the translation until the Error is fixed.

Interactive python is very much helpful for debugging purpose. It simply return the >>> prompt for the corresponding output at the Statement is appropriate and returns for an incorrect statements.

Statement is appropriate and terms in python, debugging the error with in Second, You can find errors in python, debugging the error is Easy.