What data types in python? Euplain

Data types in python and: 1. Numeric

2. Boolean

3. Saguence type

U. Dictionary.

Numeric: Any Numeric volue can be represented by this Integer: Any posttive on Negative number without decimal post Egr. 2, 3, 9, -1, -7

Float: Any read number with fractional component Eg: 2.00, 3.14

Complex humbers: A number with read and imaginoony point in the thim ney;

Boolean: Data with two build values is a either True & talse Sequence type: Sequence is of collection of same / different data types.

String: Collection of one on more characters which are thept sign aboutled triple quotes.

Lists of its an ordered collection of one on mos date

Dictionary: Collection of unordered date in a rey: value pair tom enclosed in ceally braces.

Eq: Li, Steve, 2;

(3) Breitly history of python:

Python was introduced by Quidovan Rossum in 19191 and developed by Python software foundation. It was widely used in general purpose high level programing language. It was mounty developed to emphasis

on coole and its syntan allows programmous to expres concept in twen times of code.

In the late 1980's history was about to written. It was that time when wolling on python stooted soon and that which is stuated in netherlands of was stuated first as a holday project because he was tooking of an interesting project to keep non occupied during christmas. To create ABL easier in his courier and he provide code reduablify and advanced developer productivity when it was released it had miss than enough capability to provide classes with inhoritaries, several core data types exception landling and functions.

3 Explan the operations in python?

Operations are special symbols that pertism arithmatic and logic operations. The value that the operator on is called the operand

Arthmatic sperations:

They we used to pertain mathematical operations like addition, subtraction etc. Identity operations:

is x is true

isnot x is not true

Membership operators:

in 5 in 4 vol in 2 hot my

@ Euplain the features of python. Ir Easy to town and use

Python is easy to learn and use. It is dareloped

* Compositsion operations 20 200 Cogical Consino Multiplication Add two operands & wasy plus greater than on egral Egnal to Subtraction less than Not copial to greaten than operators 2 80 y ound 4 X bitwise operations Stuise left suff Bitwise Not Bitwis right shift Bithuise 3 Bitwise and 2-4-2 x+4+2

7. Extensible: 6. Object mental burpuspe. Surfree and open sousice. 2. Eupensine laupuaper 3. Intempreted Comprage: code is also available and it is open source classes and objects camp into existance theorpreton amountes the code line by line at a time.
This makes debuggly easy and thus scritable the beginner. friendly and right level programming confuspe It is freely available at official web address it supports objects diented language It means that is make understandable and reduction. It implies that other layurges such as c/c++ out and concepts of

the used to swane " Python has lange and broad Hibrary and provide 8. Large standard library. righ set of module and functions to rapid application develop ment.

Graphical over interface can be developed using pyths @ GUI programing supposit

If can be easily integrated with languages tile c, ct+ 10 Integrated java etc

(5) Justify why python is interacture interpreted Python is interacted language because unlike clotte et language. python is interpreted object Evented programmy language

by interacted it is not meat that each time progrem is run the interpreter checks through the Cools the entre and then ntempreter the instructs into machin readable bycode are can casily integrated. Python with other law wages like chette etc. They is no need to compile python code this make, it easier to debug over code, The source code of python is converted into an immediate term called byte code