1) What the data types in python? Explain. Python dals the of date items It regerents the Kind of value that everything is an object in gythen whole everything is an doita. Since types are actually does and Programming, date these clases. instance dala types of python. there are the Numeric sequence type. Goo Soan (3) sek Dictionary . poton. numeric deta type represent the Numeric which has numeric value Numeric value car be integer, fleating number or even complex value are defined at in flore and These co-flex doss in gython Pulpger: This value is represented by int class of contain positive or negative whole no in pythen Simit to how long an integer 15 00 value is reposerted by float class. value renter number with floating point representation fleat: This complex number: - congress number is represented by complex class. Sequence In guther sequence is the ordered collection of similar or different data sign. sequences allow to store multiple values in an organized and effective fashion. There are several sequence types in python-& string * Typle The planting unicade characters a string of hydron collection of the property which the characters and the property to the property of the property of the property of the property of the character of the property of the character of the charact Scanned with CamScanne

Tuple is an ordered contaction of gython algorism much like a first the sequences of volue stand in a type can be of any sype and they are interest by integers The important lifterent behaves first are not. It is tuple is that types are immulable, also in that types are not. It is tuple is that types are not. It is topped are harable whomas sists are not. It is represented by type class. Tuple -Pato type with one of the two built in values. There or false secolour objects that ore equal to false are that the evaluable to false are that the pate of the evaluable to false are false. But now - footen objects can be evaluable to be in scotland context as well and determined to be in scotland context as well and determined to be that are false. It is senoted by the observed that 3 Boolean In python, set is an uncredered unlockien of Lydota type that is iterable, notable and has no supplied elements. elements The ster of elements in a set in undefined through it may an empiret of vorious element. The major adventages of using highly affinised meters to that it has a highly affinised meters for checked whether a specific element is making in the set. only single value of water or in the lictionery Diebenny

Key: value pair . key - value is provided in the Lietionery make it use optimized . Each key where pair h postionary is separated by a redom, whereas ener

@ Briefly coplain history of 8ythan?

Python was conceived in the late 1980 5 by commention of the condition wiskunde & information of the condition of the nature lands as successor to the nature lands as piecessor to the sugar confused by SETL) companies and interfacing with the second control land and interfacing with the second control lands and interfacing system. Its implementation began and permitting system. Its implementation began in December 1980.

3) Explain all the operators in pythen. 1 Arithmetic operators - Arithmetic operator are used to perform nathematical gerations like addition subtractor, multiplication are division. garders :- + , - , + , 1, 11. 70 , RA The values. It is either return The or false according to the condition and thon. geratori: >, ==, !=, >= @ Syrical perators Ingical operators performs by cal AND, degical of and logical NOT operations operators - and . or not (a) Bitwise operation & Bitwise operators acts on bits genetor - B, 1, n, A, >> (5) Assignment ophirchars: value to the variable effercitans: =, +=, -=, A=, 1=, 1=, 1=, 1=, 1=, 1=, 1=, 1=, 1=, 1=, === . @ special garators there are some special dyse of operators like. a stantily operatous is not one the apprated both are wed to check identity apprehen both are were some port the nemon . Two variable that are egral does not imply that they are identicals operator To, Is nit.

grogioming linguage

membership approaches : in and not the mentership operators; used to foot whether a value are variable is in a sequence. Explain the features of philhon:
gyther is a dynamic high level. free gran
source and interpreted programming language. Et
cuppode a bytche oriented programming of well
as grecedured programming Explain features in pythen There are many features in python, som of which are document bellow. Python is easy to learn language. at a pare st is very could be a code in python lenguage and any bidy can leave guthon besit in fry hours or days. It is also developer. Insuly language. @ object - owented language of the Key features of python granning. Python suggests where is objected - overted ence psulation ate once psulation ate. (3) GOT Brogramming support.

Carophical wers interface can be needed to sing with as grats, pyate, pyate, and we get in the war gettern or TK in pyther. Pyats is seen must popular option for arealing graphical against with pythen. (High - sevel language - python is a high-lavel Language when we write programs in python, we do not need to rentent tember the system architecture, nor do we need to

Justify why python is interactive interpreted language.

Unlike c/c++ etc. python is an interpreted whole objected - oranted programming language. The compiler than line-by-line. This language. The compiler than line-by-line. This code in one- 90 rather than line-by-line. This is the reason why in a language, all the exercise are lined during confliction.

only.