AKIGNMENTELL MODIFIE CONTRACTOR OF THE PROPERTY OF THE PROPERT Downat are data types in python? Explain. 1. Number: Number data types store numeric value. Number objects are created when you assign a value to them.

2 Strings in python are identified of a strings in flyand represented in quotation contiguous set of characters represented in quotation contiguous set of characters pair of single or double marts. Python allows either pair of single or double quoter de mort versafile of pythons 3 lists lists are the mort versafile of pythons compound data types. A list contains items seperated by commar and enclosed within squarebrackets (CJ) 4. Tuple: A tuple is another sequence dates type that is similar to the list. A tuple consists of a number of values seperated by commas.

There are enclosed within paranthers. 5. Dictorary: It is a kind of harh-table type. They work like associative arrays- It consids of key value pairs key can be any python type but are usually numbers of strings. Values can be - arbitary python object!- within curly bracketi.

2. Briefly explain history of python. In late 1980; history was about to written It we the time when working on python itarted. Poon after that, Quido van lossum began doing its applicati based work in Dec of 1889 by at Centrum wiskinde Information (Cw1) in neitherland:

It was started firstly as a hobby project because he was looking for a interfine project to keep him occupied during christman. The most of the man The programming language which python is said to have succeed in ABC programming language, which had the interfacing with the Ameoba operating system and had the feature of exception handling the had already helped to create ABC cartier in his corrier. and he had seen some sirver with the but liked and he had seen to that what he did as really most of the features. After that what he did as really very clever wintex of the and some of its good feature It come with a lot of complaints too, the fixed

those issues and created a good scripting language

which had removed the tlaws.

. Suplain all the operators in python. e) operators are special symbols that represent computations like addition and multiplication the value the operator is applied to are called operand 1.1) All your later and as being as I the operators +, -, +, / and ++ + perform additions of prop prop 1 - perform subtraction. * perform muttiplication. tive and circo sout. experience exponentian. and wop kno studies Etample, are intermediation in siens + = = 140+371 of aldolovy all is about sire # = hourt 60+ minute boolowood voi or 1 = minute 160 exist Circited pordine ****** * 5 * * 2. Enc of test fragment of brithe 5g) (5+9)*(15-7) la sidamas puro de destar

4. Explain the features of python eary to code -) python & high level peogramming language -) python is very early to learn language as compared to other language like c, Ltt: STONE OF A TRAITMENT OF Java script, etc + It is very easy to code in python longuage and anybody can learn it in few hours free and Open source: Python conquage is puly available at official website and you can download link below. -) since it is open-source, this means that source code il also available to the public lo you can download it as use it as well as Object Oriented language: 03/stone. One of key features of python is object Oriented pagamming, python supports object oriented; language and concepts of class, objects encapsulation eti GUT programming support: Graphical User 9 nterforcer can be made using a modulo such as wx python

prati is the most popular option for creating graphical approver python.

High level language

python is a high-level language we can write our some python code into c or c++ language and also we can continue compile that code in elet +.

extensible language; we can write our some extensible language; we can write our some those languages.

5. Justify why python is interactive interpreted

language.

Unlike clettete, python is an interpreted object unlike clettete, python is an interpreted object oriented programming language and unlike cunky is compiled programming language the compiler translates the whole coole in one -go rather than translates the whole coole in one -go rather than tine-by-line. This is the reason why in call line-by-line. This is the reason why in call line-by-line are listed during compilation only.

An interpreter is a translator in python computers to interpreter is a translator in python computers in a translater the given code line-by-line tonguage which translates the given code line-by-line in machine readable bytecoda.

python is interactive when a python statements is entered, and is followed by the Return key if entered, and is followed by the Return key if entered, and is followed by the printed on the appropriate the result will be printed on the appropriate the result will be printed on the screen, immediately in the next line. Interactive python is very much helpful for the debugging purpose. It simple return the > 24 prompt or the