1. What the data topes in Exten? Explain. "i. Data types are the classification or Categorization of data itens. Data types represent a kind of value which. determines what operations can be performed on that data 2. Nomeric, Non-nomeric and Booken (True false) data are the most used the types. Nomeric : A Domeric doue is any representation of. data are the most used data types. Python identifies the types of numbers. 1. Integers: - Pasitive and regative hours. 2. float: - Real numbers with a floating point represents. in which a tractional compost is decided by deciral. 3. Compar rember! - A rumber With a Real and "maginary Comparet represents as says 4. Booken ). Data With one of the brit - in Johns. True or Sala : Notice that I and It are Capital. True and Solve are not solid booken and python.
Will throw an error for them. Sequence 'ype !- A Seque is ordered contactive of. Similar or differed data yes. Python has the following boit - in Sequence data types,

Sting! A String blue is a collection of one or more characters put in Single, doubt or tapk quotes.

Characters put in Single, doubt or tapk quotes.

List! A list object is an ordered Collection of one more.

data items not respectively of the Same type.

Type: A Type object is an ordered Collection of .

Type: A Type object is an ordered Collection of .

The Same type, put in parantheses.

Dictionary:

Dictionary:

1) A dictionary object is an unordered Greation of.

dota in a key: blue point form.

2) A Greation of Such points is enclosed in Carly.

brockets. for a brockets. for a fire Bold.", 3." Ran", 4: "Capi" 3.

2. Briefly Explain history of python?

Python was Conceived in the late 1980's by

Rosson at Centrum Wiskunde &.

Chido den Rosson at Centrum Wiskunde &.

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Conceived in t

. I the program python was raised ofter a W. Show Could 'monty python's flying circuss.

=) Python is a Stake name.

=) Python Sopposes the cops language.

First opposed: 1990: 30 Your ogo.

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3. Explain all the operators in python ? O. Puthor operators. Arishmetic operators! There are used to perform transferration. opeations like addition, Sabbalia multiplication and division. + > xty, x+ exB. 1/ > AIIB. -- A-B', /-> A/O 7. -> A %9 \*\* - A \*\* B. De Relation operator: There will Compare the bolies. "it either retors True or date according to the Condition. 5 -> A >B. == -> A == B. (3) Logical operators: These perform Logical AND, Logical OR. and Logical No operations. =) And -> A and 3: =) or |-> A or B. => rot -> rot A. 4. Bitwie operates - These operators outs on bits and. perform that by bit operation. RIP 31244. S. Assigned operator :- There are used to assign while to. the Sviable. = -> x=y+2.

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Special operator: - There are Some Special you of. operators like. · Lody opatos -> "s rot. 4. Explain the features of python. Osimple - This language is lary tasy to understand (D) Easy to code ) It is why Easy to learn and. code the program. It is high level language.

3. Object orested language: one of the key feature of byten Oobz biodening.

4. free and open Some !- It is feely Abilat. of official website.

5. High rever language! - When we Write Program in. Python we do not need to remember the System. architectore

p. borrege; bittois es a boileper parade : 4 brobarti of a program that can run on more than one. kird of Compiter.

7. Integrated.

8. Interpreted language

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5. Just Why Python is interactive interactive interactive interaction interaction. 1. Unlike of cost etc. python is an interpreted object - oriented. Programming language. 2. Orlike a larguage the Compiler translate the wast code. in one rather than line by live. 3. This is the reason than why en a long vor . All the errors are legal doing compilation only, 4. An interpreter is a translater in Competer language which tenslate the given cake line by lie. in machine readable byterady. S-Python is a interactive, when a python Start is.

Entered Loursed by the return key