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what the data types in Python? Explain.

- i. Number: Number datatypes store numeric vales number objects are created when you assign a value to them.
- Set of character represented in the quotation marks

  Pgthon allows either pair of single or double quotes
- iii. Lists: Lists are the most versatile of python compound data types. A list contains items compounds separated by commas and Enclosed within square brackets.
- iv. Triples: A triple is another sequence data type that is similar to the list. A triple consists of a number of values separated by commos unlike lists, however, triples are enclosed with parenthesis.
- v. Dictionary: Python's dictionaries are kind of hash-table type. Hey work like associative arrays or hashes. Jound in perl and consist of key values pairs. A dictionary key can be almost any python type, but are usually number or strings -values, on the other hand can be any orbitary python object. Dictionaries are enclosed within only braces.

- 2. Briefly explain history of python?
  - -> pathon is a general purpose interpreted interactive, object oriented, and high -level programming language
  - -> It was created by "Gruido van Rossum" during 1985-1990
  - -> Python is named after a TV show called "monty python's Flying circus" and not offer python the snake.
- 3. Explain all operators in python?
  - when more than operator appeals in an Expression the order of Evaluation depends on the rules of precedence PEMDAS order of operation is Followed in python.
  - -> Parentheses have the highest precedence and can be used to dorce an Expression to Evaluate in order you want.
    - -> Exponentiation was the next highest precedence
    - -> Multiplication and division have the same procedure which is higher than.
    - -) Addition and Subtraction which also have the same precedence.
    - -> operators with some precedence are Evaluater from left to right.

- 4. Explain Features of python.
  - -> features of python
    - 1. Simple
    - 2. Easy to learn
    - 3. Free and open Source
    - ". High level language
    - 5. Python is Beginneri language
    - 6. portable / plat form independent
    - 7. Interactive
    - B. Interpreted
    - 9. Objected oriented
    - 10. Extensible
    - 11. Embeddable
    - 12. Extensive (ibories.
- 5. Justify why python is interactive interpreted language

You can actually sit at a python prompt and interact with interpreter directly to write your programs Python is objected oriented. Python supports object oriented style or technique of programming that the psulates rade with object.

-> pathon is interpreted

Onlike c/c++ etc, python is interpreted object oriented programming language. By interpreted it is meant that which Each time a program is run the interpreter check through code errors.