I) What the data types in Python? explain?

Python has five different data types

They went to

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- Numbers i Number data types store numeric values
  Number objects are created when you assign a
  value to them.
- Strings: Strings in python are identified as a contiguous set of characters represented in the contiguous set of characters represented in the quotation marks. Python allows either pair of single or double quotes
  - Lists Lists are the wost versatile of pythons compound data types. A list Contains items seperated by Commas & enclosed within Square brackets.
  - De Tuples's A tuple is another sequence data type that it similar to the list. A tuple consists of a number of values seperated by commas, unlike list, however tuples are enclosed within parenthesis
  - Dictionary: Python dictionaries are kind of high table type. A dictionary key can be almost any python type but are usually numbers or strings values. on the other hand can be any our bitary python object.

2) Briefly explain history of python?

Python has become one of the most interesting Programming languages of one time. It was created by Gudio Von Rossum during 1935-1990.

Python is named after a TV show called monty python's flying Circus & not offer the Python is lake.

3> Explain all the operators in python?

- i) Arithmetic operators: This are used to perform mathematical operations like addition, Substraction, multiplication, division etc.
- 24 Relational operators i This Compare the values
  It either mathematical operators like addition
  Substraction.
- 3) Logical operatore; This perform Cogical AND, OR,
- 11) Bitwise operators; This act on operands as it they were strings of binary digite. They operate bit by bit, hence the name.
- 6) Assignment operators; This are used in python to assign valus to variables. For en; a=5 is a simple assignment operator that assigns the value 5 on the right to the variable a on the left.

Shan muk tomas. G 321910306056. 1) Identity operators + 'is' and "enot' are the 6) special operatorst Edentity operators in python, They are used to the Same part of the memory. It either returns the same part of the memory Condition true or false according to the Condition 2) Membership operators Finand not in an the membership operators, used to test whether a value is in Sequence

4) Explain the features of python?

\* python is a Beginners Language.

5) Justify why python is interactive, interpreted language?

Python is interactive language. Bateractive python is Python is interactive language. Bateractive python is remote helpful for the debugging perpose It simple very much helpful for the corresponding.

return the prompt our the corresponding output

of the Statement if appropriate & returns error

for incorrect statement. In this way it you have

A Features of Python.

\* easy to learn

# Free & open source

\* High level language.

\* Simple

\* portable

\* Interactive

so object oriented.

for incorrect ike: whether a syntax se correct. An any doughts like: whether a syntax se correct. An interpretor is a translator in computer's language which translats the translats in computer language which translats the translats in code line by line in machine readable by tecades. Scanned with CamScanner