- 1. What are the data types in python? Explain.

 Python has five different data types:
- 1. Number : Number data types clove numeric values.
 Number objects are created when you accigo a value to them.
- 2. Strings: Strings in python are identified as a contiquous Set of characters represented in the quotation marks.

 Python allows either pair of single or double quotes.
- 3. liets: liets are the most versatile of pythons compains data types. A liet contains items, seperated by commas and enclosed within square brackets.
- 4. Tuples: A tuple is another sequence data type
 that he similar to the list. A tuple consists of
 a number of values seperated by commas. Unlike
 lists, however tuples are enclosed within parenthesis.
- 5. Dictionary: pythonx dictionaries are kind of hash table

 type. They work like associative arrays or hashes

 found in perl and consider of key value pairs. A

 dictionary can be almost any python type, but are

 usually numbers or strings values, on the other hand

 can be any arbitary python object pictionaries are enclosed within curly braces.
- Arx: python has one of the most intrecting programming languages of our time. It was created by Gudio von Roccum during 1985-1990, python is named after a TV show called Monthly python's Flying circus and not ofter pythony the snake.

 3. Explain all the operators in python.

 Ans: 1- Arithernatic operators:

Arithernatic operators are used to perform mathematical operations like addition, substraction, multiplication, division etc.

2. Relational operators, Relational operator compare the value . It either octure true or False or True according to condition

3. logical operators

"(Relational operator compare the value 0x

It perform logical AND, logical OR and logical NOT operations.

4. Bitwise operator:

Bitcoice operator act on operands as it they were string of binary aligits. They operate bit by bit, herce the name

5. Accignment Operators:

these are used in python to assign values to variables. For example a=5 is a zimple assignment operator that accigns the value 5 on the right to the variable on the left.

4. Explain the features of python.

1. Simple

2. eary to learn

3, free and open source

4. high level language

5. portable

6. Python is a Beginner language

Interactive

2 interpreted

9. Object oriented

10. extencible

11. Embeddable

12. Extensive libraries

13. Databases.

14. GUI programming

15. scalable.

5. justify why python is interactive, interpreted, language.

A: python is interactive language, python is very much helpful for the debugging purpose. It simply returns the prompt of the Corresponding output of the statement it appropriate and returns error to incorrect statements. In this way if have douts can solve. Unlike a language, which is a compiled programming language.