2. Briefly explains history about Python.

* Python is an interpreted, high-level general-purpose programming language
* Created by Guido van Rossum
* First released in 1991, python's design philosophy emphasizes code readability
* Its language designer Dynamic programming language
First appeared : 1990:30 years ago.
* python is a snake name
* It support the app language.

1. what the data type in python? Explains
Data type are the clasifications a categorization of data items.

* Numeric
* Non-Numeric
* Boolean data are the most used data types

Numeric:

A Numeric value is any representation of data which has a numeric value

* Integer: +ve an -ve values
-* float : reale numbers

Complex Number:
___ A num with a real or imagin
– ary component represent as $x+y$,

Boolean:
___ Data with one of two built in values

Sequence type: A sequence is an ordered
collection of similar a different data type

Dictionary:
A dictionary, objects is an unordered
collection of data in a key: value
{1: "steven", 2: "Bill", 3. "Ram"
     4: "Farha"}

* type() function

3. Explain all the operation in phython!

1. Arithmetic operation:

    + → $x+y$
    * → $x*y$
    // → $x // y$

    ** → $x**y$

    - → $x-y$

    / → x/y

    -/. → $x-/.y$

This are used to perform mathematical
operation.

2. logical operation

There perform logical and, logical or
& logical not operation

⇒ and → x and y

⇒ or → x or y

⇒ not → not x

3. Relation operation

There will compare the values
either return True a false

> → x > y , == → x = y

! → x ! y

>= → x >= y.

4. Integrated → It is an Integrated language
because we can easily Integrated
python language like c, c++, etc

5. Interpreted language:

Python is an Interpreted language
because python code is executed
line by line at a time

6. Justify

4. explain the feature of python

1. easy to learn to use
python is easy to learn to use

It is developed - friendly a high level programming language

2. supressive languge:
   It means that is moe undeerstable a readable

3. Interpreted language
   Interpreter executes the code line by line at a time.

4. cross-platform language
   It can run equally on different plad forms such as run equally on different platform window, linux, unix etc

5. Integrated
   It can be easily Integrated with langru. like C, C++, Java etc.

6. GUI programming Support
   Graphical user interfaces can be developed using python.

5. Justify why python is Interactive interpreted language?

⇒ unlike c/c++ etc, python is an interpreted oops. languge.
   unlike c languge, which is a compiled progr-
   amming langua.

The compiler translates the whole code in one go rather why in a clanguage All the errors are listed during compilation only

An Interpreted is a translator is compiler language.

=) python is a Interactive, when a python is entered as followed by the Return key. The result will be prited on the screen, immediatly in the menl link.