# Assignment-T

1. What are the data types in python; Explain

## Numbers:

It stores numeric values. Number objects are created when you assign a value to them.

## Springs:

These are identified in python as a contiguous set of characters represented in puotation marks. Python allows either pair of single or double zvotes.

#### : 2 fzil

These are most revisable of python's compound datetypes.

A lid contains thems separated by commas and andosed within severe brackets.

### Tupols:

Tuple is another sequence data type that is similar to list. Tuples are anclosed with paranthesis.

## Dictionary:

They work like associative arrays or hashes sound in tout & consist of leading pairs. 'Couly Braces' as Baktly explain history of pythons

- -> Python laid its foundation in late 1930,
  - of 1989 by southerland in Dec 1989 by Could workerland.
  - 4 In Feb 1991. Rossom published the code to all source
  - -> In 1994 Python 1.0 was released with new leastures
  - -> Dec 3, 2000 Pathon 3.00 was released.

3. Explain operators in extensi -> Azithmetic operator. These are used to perform mathematical operation. like add, Lub, mul, & division. obordfor: + ' - ' \* ' 1 ' 11 ' % ' \*\* -> Relational Operator It compares values. It either redurns true or False according to condition. operators: > , < , == , == , <= -> radical observators: Performs logical AND, Logical OR & Logical NOT operating oterages: and al not -> BIYMIN OFERAGAN It acts on 61ts & performs 61t by 6th operation operators: 8, 1, ~, 1, >>, << -> Assignment operation and to assign value to variables obsessions. = += -= \*= /= o/= = /= \*\* = /= o/= >>>= >>= = >>= = >>= = >>= = >>= = >>= = >>= = >>= = >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>= >== >>== >>== >>== >>= >>== >>== >>== >>= >>== >>== >>== >>== >>== >>== >>== >>== >>= >>= >>= >>= >>= >>= >== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>= >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>= >>== >>== >>== >>== >>== >>== >>== >>== >>= >== >>= >== >>== >>== >>= >>= >== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >>== >> -> Special operators Identity operators to tred smee no between one value and ti stad or some part of - True il operandi are identical 100 21 not identical Wempership oberation montes ou a applica in anjoh a waylong trat ap para in - True It ralus 25 sound in some of not in not found "

- 4. Explain footures of python.
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- The 12 developer falendly & high level programming logs.
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- -> Coors blaggaren land. It con en ou gifferent blaggarens
- → Fole & open source: It is freely available at officel and address. The source cade is also available.
- → Offects come into existence
- GOI programming suppost: GOI On be developed using by than
- -> Integrated: It can be easily integrated with larger like city
- → lange standard library: Python has large & broad library & provides with set of enodule & functions for replied application development.
- 5. Justify why python is interactive interpreted languages
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