It tells type of value/data

Data types are actually classes in python and vausbles are objects (instance) of these classes.

eg. Int is a class, var =4 [Here var is an].

float is a class

object/instance

of int class tab.

of int class type

· tython has multiple different date types.

NOTES = In Python user does not need to specify the type of variable while creating it because python will figure this out itself.

e.g: var1 = 10

var 2 = 9.4

Var 3 = "Jenny" will figure that var1 is of type int, var 2 is float to var 3 is storng

Mola tuner are s - int Clast complex 1 > Numeric type

Data types are ?-

complex Ja Numeuc type int, float,

list, tuple, raye] = Sequence type dictionary

Onteins whole numbers (tre or -re)

there is no limit to how long ar integer value can be (only constrained by the memory of your system)

Pont (a) = 123 a = 901234567890123456789 front (a) = will pout 90123 US67890123456789 NOTE: - earth any prefix the given nomber would be considered as deemal number but worth prefix e.g: - Ob or OB [zero+b] => Binary 00 or 00 [zero+lowercise letter '0'] = octal Ox or Ox [zero+ x] - hexadecimal ep:- [point (Ob11) =) wall point 3 | point (Oo123) ?

point (Ox11) => wall point 9 | point (Ox123) ?

point (Ox11) => wall point 17 · If you warms cheek the type ther use type() function e-9:- var = 4 point (type (var)) = well point < class, (int); decimal nombers Ploatseg: 4.2, 4.0, -2

Stoings - sequence of characters « Jenny » or (Jenny) point ("Jenny" [0]) = well point of So we can fetch a specific character from the string using subscript method. exercise [frame = "Jenny "khatri"] output?

print (name [5])

print (len (name)) exercuses [hame = "Jermy's Lectures "CS/IT"]] Sol:- hame = "Jenny 1's lectures 1" CS/IT/" bond (name)

Ejust use formall stack backslash (1) to slip
the special meaning of supple quote & double
quote]

exercise point (5 * "Jenny")

exercie: - port ("100" + "100") - well point 200

Boolean:

& possible values

· Fake

Make Sure T & Fare capital while using True & False otherway you will get ever

09:1: - Vai = True

port (vai) a will point Toue

point (type(vai)) a will point < class, bool>

egi 2: - a=1 b=2

> point (vai) - will point Toue point (vai) - will point < class, (bool') point (type (vai)) - will point < class, (bool')