# COMMENTS

They are part of code, but they wont consider in execution time.

Two types of comments in python

1) Single line comment

     # my 1st program

2) Multi line comment

     '''     '''' (or) " " "    " " "

# KEYWORDS

They are reserved words used for particular task and they cannot be used as identifies (Variables, funct^n name ... etc).

EX:- True, False, for, if, else, while, break, try, except, finally, .... etc.

# VARIABLES

It is place where to store our values.

ex:-    a = 5

     a is variable 5 is value.

* Valid variable declarat^n

     a = 5

     A = 7

     num = 11

     Num1 = 89

     NUM2 = 15

     empid = 123

     emp_name = "priyanka" (or) 'priyanka'

     _emp_no_ = 912434024

**\* Invalid Variable declaration**

    1n = 35

    stu#name@="arun"

    stu id = 345

## DATA TYPES

Its pre defined component and specify the data category.

    DOB = Str  convert to date using libraries

    height = float

    weight = float

    age = int

    name = Str (alpha)

    phone no. = Str

### Python Data types

* int
* float
* Complex ~~5j*8~~ $(5j+8)$
* Str
* bool

### Special data types (data structure)

* list
* tuple
* set
* dict

Note :-    $a = 4$ ; $b = 6$ ; $c = 7$

                (or)

        $"a,b,c = 4,6,7$

input function :- input()

output function :- print()

print ("hello good morning")

=) hello good morning

a = int (input ("enter a number"))

=) enter a number 7

type (a)

=) int

b = int (input())

=) 2

type (b)

=) int

Prog :- take 2 float numbers from user.

```
a = float (input ("enter a value: "))
b = float (input (" enter a value: "))
print (a+b)
print (a, "+", b, "=", a+b)
print ("sum of: ", a, "+", b, "=", a+b)
```

o/p :- enter a value : 6

enter a value : 4

10.0

Prog :- print ("sum of ", x, "+", y, "=", x+y)

\#. format method

print ("sum of {} + {} = {}".format(x,y,x+y))

\# f string method

print (f " sum of {x} + {y} = {x+y} ")

* Write a prog to read emp id,
emp name, emp

O/p :- Sum of 6.0 + 4.0 = 10.0

Sum of 6.0 + 4.0 = 10.0

Sum of 6.0 + 4.0 = 10.0