PYTHON

Variables: A variable is a name for the memory location which stores a particular value of some sort of data . Python has pre defined methods to get the memory location of the variable and Data type of the Data stored in the variable .

Standards of naming a variable:

* The variable name should start with a lower case character unless it is declared as a constant.
  + a , name , list , number ... <--- valid & recommended
  + Name , Number , List <--- valid , but not recommended
  + PI , EPSILON <--- valid(constants)
* Variable name cannot start with a numerical value or special character.
  + @name , $number , )list <---- invalid
* One can use camel case or underscore(\_) separated variable names for assigning values.
  + firstName , numbersList , students\_fee ....

A variable is assigned a value by an assignment operator( = )

Eg : a = 10 ,name = "Python" , fee = 100000

Methods on Variables:

type(variable\_name) ---> provides with the data types of data stored in the variable\_name

id( variable\_name) ---> provides with the unique number that represents the memory location of the variable\_name

Multiple Assignment:

Assigning a value to multiple variables.

Eg: a=b=c=24

Assigning multiple values to multiple variables.

Eg: p,q,r=10,20,30

The value will be assigned in the order in which the variable appears.