

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.