```
In [2]:  # Identifers -> A name in python program is called identifier.
         # It can be class name or function name or variable name.
         # Eg: marks=95
```

```
In [3]:  # Rules to define the identifier:
         # 1. alphabet symbols(Either Upper case or Lower case)
         # 2. If the identifier starts with (_) Underscore it is private.
         # 3. Identifier should not start with digits.
         # 4. Identifiers are case sensitive
         # 5. We cannot use reserved words as identifiers.
         # 6. There is no length limit for python identifiers. But not recommend
         ed to use too lengthy identifiers.
         # 7. Dollar($) symbol is not allowed in python
```

```
In [4]:  # python contains the several inbuilt functions. some are given below.
         # 1. print() - to print the value
         # 2. type() - to check the type of variable
         # 3. id() - to get address of object
```

```
In [ ]:  # variable - variable is like a container to store the data values
         # here given below there are two employee names that can be stored in v
         ariable named as Employee1 and Employee2
```

```
In [6]:  Employee1='aravind'
         Employee2='chris'
         # Here we are used inbuilt print() function to print the employee 1 and
          2
         print(Employee1)
         print(Employee2)
```

```
         aravind
         chris
```

```
In [10]:  # The id() function returns a unique id for the specified object. All o
```

```
bjects in Python has its own unique id.
# The id is assigned to the object when it is created. The id is the ob
ject's memory address, and will be different for
# each time you run the program.

# To get the id of the employee1
id(Employee1)
```

Out[10]: 1947069533464

In [11]:
```
# to get the id of employee2
id(Employee2)
```

Out[11]: 1947069608488

In [12]:
```
# to get the type of employee1 variable
type(Employee1)
```

Out[12]: str

In [13]:
```
# to get the type of employee2 variable
type(Employee2)
```

Out[13]: str

In [14]:
```
# dollar is not allowed in python
emplo$ee=50
```

```
  File "<ipython-input-14-26a1d9603565>", line 2
    emplo$ee=50
         ^
SyntaxError: invalid syntax
```

In [15]:
```
# we cannot use reserved words in python
def = 20
```

```
  File "<ipython-input-15-2ec55ff23803>", line 2
    def = 20
```

```
        ^
    SyntaxError: invalid syntax
```

In [16]:
```python
# Identfier should not start with digit
123employee='sushanth'
```

```
  File "<ipython-input-16-d3c70cbae400>", line 2
    123employee='sushanth'
          ^
SyntaxError: invalid syntax
```

In [19]:
```python
# Identifiers are case sensitive
employee3='sushanth'
print(Employee3)
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call l
ast)
<ipython-input-19-c95683701d5d> in <module>
      1 # Identifiers are case sensitive
      2 employee3='sushanth'
----> 3 print(Employee3)

NameError: name 'Employee3' is not defined
```