Types of Variables

1.Local Variable >> not accessible outside the function and are defined inside the function 2.Global Variable >> accessible throught the program / accessible outside the function

In [10]:

```
import keyword
# print(keyword.kwlist)
help('keywords')
```

```
Here is a list of the Python keywords.  Enter any keyword to get more hel
p.

False               class               from                or
None                continue            global              pass
True                def                 if                  raise
and                 del                 import              return
as                  elif                in                  try
assert              else                is                  while
async               except              lambda              with
await               finally             nonlocal            yield
break               for                 not
```

In [12]:

```
# Local Variable


def my_function():
    x=500  # Local Variable
    print(f"X = {x}")

my_function()


```

```
X = 500
```

In [14]:

```
def my_function():
    x=500 # Local Variable


my_function()
print(f"X = {x}")

```

```
---------------------------------------------------------------------------
--
NameError                                 Traceback (most recent call las
t)
Cell In[14], line 6
      2     x=500 # Local Variable
      5 my_function()
----> 6 print(f"X = {x}")

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

In [17]:

```
# Global Variable Program

g=800 # Global Variable
def my_function():
    x=500  # Local Variable
    print(f"X = {x}")
    print(f"g = {g}")

my_function()
print(f"g = {g}")

```

```
X = 500
g = 800
g = 800
```

In [47]:

```
# local var >> how to access local var outside the function Stuent Assignment

def my_function():
    global x
    x=500  # Local Variable
    print(f"X inside the function = {x}")


my_function()
print(f"x outise the function  = {x}")
```

```
X inside the function = 500
x outise the function  = 500
```

del keyword

In [23]:

```
1 x=300
2 print(x)
```

```
300
```

In [27]:

```
1 y=500.890
2 print(y)
```

```
500.89
```

In [25]:

```
1 # del y
```

In [28]:

```
1 y
```

Out[28]:

```
500.89
```

In [29]:

```
1 del y
```

In [30]:

```
1 y
```

```
---------------------------------------------------------------------------
--
NameError                                 Traceback (most recent call las
t)
Cell In[30], line 1
----> 1 y

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

In [32]:

```
1 #assigning same value to diff variables
2 x=y=z=400
3 print(f"x = {x}  , y = {y}  , z = {z}")
```

```
x = 400  , y = 400  , z = 400
```

In [35]:

```
#assigning multiple values to muliple variables
name,age,location='Akshay',23,'USA'
print("Name  is  ",name)
print("Age  is  ",age)
print("Location  is  ",location)
```

```
Name  is   Akshay
Age  is   23
Location  is   USA
```

In [50]:

```
print(f"Name is {name} , Age is {age} , Location is {location}")
```

```
Name is Akshay , Age is 23 , Location is USA
```

In [37]:

```
print("Name is {} , Age is {} , Location is {}".format(name,age,location))
```

```
Name is Akshay , Age is 23 , Location is USA
```

In [38]:

```
print("Name is {0} , Age is {1} , Location is {2}".format(name,age,location))
```

```
Name is Akshay , Age is 23 , Location is USA
```

In [40]:

```
print("Name is {1} , Age is {2} , Location is {0}".format(name,age,location))
```

```
Name is 23 , Age is USA , Location is Akshay
```

In [41]:

```
print("Name is {0} , Age is {1} , Location is {2}".format(age,name,location))
```

```
Name is 23 , Age is Akshay , Location is USA
```

In [ ]:

```

```