

Python

Local and Global Variables

1. Local Variables

- Defined inside a function and accessible only within that function.
- Created when the function is called and destroyed when the function ends.

```
def my_function():  
    x = 10 # Local variable  
    print(x)  
  
my_function()  
print(x) # Error: x is not defined outside the function
```

2. Global Variables

- Defined outside any function and accessible throughout the program.
- Can be modified inside a function using the global keyword.

```
x = 10 # Global variable  
  
def my_function():  
    global x # Using global variable inside function  
    x = 20 # Modifying global variable  
  
my_function()  
print(x) # Output: 20
```