

```
def myfunc():
    x = 300
    def myinnerfunc():
    print(x)
    myinnerfunc()
```

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Global Scope

A variable created in the main body of the Python code is a global variable and belongs to the global scope.

Global variables are available from within any scope, global and local.

Example

A variable created outside of a function is global and can be used by anyone:

```
x = 300

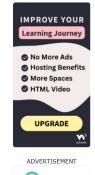
def myfunc():
    print(x)

myfunc()
print(x)
```











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Naming Variables

If you operate with the same variable name inside and outside of a function, Python will treat them as two separate variables, one available in the global scope (outside the function) and one available in the local scope (inside the function):

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```
Example
```

The function will print the local $\, \mathbf{x} \,$, and then the code will print the global $\, \mathbf{x} \,$:

```
x = 300
def myfunc():
    x = 200
    print(x)
myfunc()
print(x)
```

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Global Keyword

If you need to create a global variable, but are stuck in the local scope, you can use the global keyword.

The global keyword makes the variable global.

Example

If you use the **global** keyword, the variable belongs to the global scope:

```
def myfunc():
    global x
    x = 300

myfunc()
print(x)
```

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Also, use the **global** keyword if you want to make a change to a global variable inside a function.

Example

To change the value of a global variable inside a function, refer to the variable by using the global keyword:

```
x = 300

def myfunc():
    global x
    x = 200

myfunc()
print(x)
```

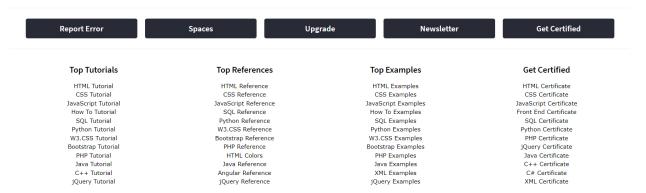
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