# Global and local variable

If a variable define outer function is called global variable, global variable can be access anywhere in program or called anywhere in program

If a variable define inner function is called local variable, local variable cannot access outer function or it not called another function

Global variable example

name**=**'mahmud'

**def** fun1():

    print(name)

fun1()

local variable example

**def** fun2(**x**,**y**):

    print(x**+**y)

fun2(2,2)

**def** fun3():

    x**=**2

    y**=**2

    print(x**+**y)

fun3()

name**=**'mahmud'  *#global variable*

**def** fun1():

    print(name)

**def** fun2(**x**,**y**):

    print(x**+**y)

**def** fun3():

    x**=**2

    y**=**2

    print(x**+**y)

fun1() *#global variable acces outer function and show right*

fun2() *#local variable access outer function but show erro*

fun3() *#local variable access in its own function ,so it show right*