

How To Write and Call a Function :

keyword name parameter
def [is-even(i):

specification/docstring

'''

Input : i, a positive integer

Return True if i is even, otherwise False

'''

print ("inside is even")

return (i%2==0)

body

is-even(7)

→ call function on 7

body:

print ("inside is even")

run some command

return (i%2==0)

expression to return
and evaluate

Variable Scope:

↳ formal parameter gets bound to the value of
actual parameter when function is called

↳ new scope/environment/frame created when enter a function

↳ scope is mapping of names to objects

→ ex: def f(x):
 x = x + 1 → formal
 print("in f(x) : x =", x)
 return(x) → function definition

x = 3

z = f(x) → actual parameter

} main program code

↳ initializes a variable x

↳ makes a function call f(x)

↳ assigns return of function
variable z