1. What is the result of the code, and why?

>>> def func(a, b=6, c=8):

print(a, b, c)

>>> func(1, 2)

Output : 1 2 8

Here we pass 2 new values to function 1 and 2 for a and b variable , c value remains the same 8.

2. What is the result of this code, and why?

>>> def func(a, b, c=5):

print(a, b, c)

>>> func(1, c=3, b=2)

Output: 1 2 3

Here values of a,b c will be 1 2 3 after passing and assigning new values for a,b,c.

3. How about this code: what is its result, and why?

>>> def func(a, \*pargs):

print(a, pargs)

>>> func(1, 2, 3)

Output : 1 (2,3)

Here a is assigned with a value 1 and pargs is assigned with a value (2,3)

4. What does this code print, and why?

>>> def func(a, \*\*kargs):

print(a, kargs)

>>> func(a=1, c=3, b=2)

Output : {‘c’: 3 , ‘b’:2}

Here \*\*kargs allows us to pass a variable number of keyword argument to a python function.

5. What gets printed by this, and explain?

>>> def func(a, b, c=8, d=5): print(a, b, c, d)

>>> func(1, \*(5, 6))

Output : 1 5 6 5

Here a is assigned with value 1 and remaining all varaibles will be getting 5 and 6 values .

6. what is the result of this, and explain?

>>> def func(a, b, c): a = 2; b[0] = 'x'; c['a'] = 'y'

>>> l=1; m=[1]; n={'a':0}

>>> func(l, m, n)

>>> l, m, n

Output : l is not defined