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

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

print(a, b, c)

>>> func(1, 2)

Ans: output will be 1,2,8 because variable a and b has value which is exmplicitly passed by method and c has default value.

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)

Ans: output will be 1,2,3 as all variables values are passed bydefault 1 is passed to a as first element’s value.

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

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

print(a, pargs)

>>> func(1, 2, 3)

Ans: output will be 1 (2,3). variable 1 has value 1 and rest of them as passed as tuples into pargs variable

4. What does this code print, and why?

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

print(a, kargs)

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

Ans: Output will be 1 {c:3, b:2}. Kargs will accept key and value dictionary so it will print variable ‘a’ and and dict in kargs variable..

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))

Ans: output will be 1 5 6 5. Variable ‘a’ has value 1 passed explicitly and b c will take arguments as 5 and and last 5 is default value of d

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