1. Which of the following statements create a dictionary?  
a) d = {}  
b) d = {“john”:40, “peter”:45}  
c) d = {40:”john”, 45:”peter”}  
d) All of the mentioned

Ans: d

2. Read the code shown below carefully and pick out the keys?

1. d = {"john":40, "peter":45}

a)“john”,40,45,and“peter”  
b)“john”and“peter”  
c)40and45  
d) d = (40:”john”, 45:”peter”)

Ans: b

3. What will be the output?

1. d = {"john":40, "peter":45}
2. "john" in d

Ans: True

4. What will be the output?

1. d1 = {"john":40, "peter":45}
2. d2 = {"john":466, "peter":45}
3. d1 == d2

Ans: b - False

5. What will be the output?

1. d = {"john":40, "peter":45}
2. print(list(d.keys()))

Ans: [“john”, “peter”].

6. Suppose d = {“john”:40, “peter”:45}, what happens when we try to retrieve a value using the expression d[“susan”]?

Ans: Since “susan” is not a key in the set, Python raises a KeyError exception

7. What is the output of the following code?

a={1:"A",2:"B",3:"C"}

**for** i **in** a:

**print**(i,end=" ")

Ans: 123

8. What is the output of the following code?

**def** foo():

**return** total + 1

total = 0

**print**(foo())

Ans: 1

9. **def** foo():

total += 1

**return** total

total = 0

**print**(foo())

Ans: error

10. What is the output of the following code?

**def** foo(x):

x = ['def', 'abc']

**return** id(x)

q = ['abc', 'def']

**print**(id(q) == foo(q))

Ans: False

11. **def** foo(i, x=[]):

x.append(i)

**return** x

**for** i **in** range(3):

**print**(foo(i))

Ans: [0] [0, 1] [0, 1, 2]

12. x=12

**def** f1(a,b=x):

**print**(a,b)

x=15

f1(4)

Ans: 4 12

13. What is the output of the code shown below?

**def** f1(a,b=[]):

b.append(a)

**return** b

**print**(f1(2,[3,4]))

Ans: [3,4,2]

14. **def** f(x):

**print**("outer")

**def** f1(a):

**print**("inner")

**print**(a,x)

f(3)

f1(1)

a) outer  
error  
b) inner  
error  
c) outer  
inner  
d) error

Ans: a