PYTHON BASICS QUESTIONS

Name:_____   Year:_____   Batch:_____

```
a = [ 1 , 2 , "name" , 12.50 , "classes"]
b = [ 5 ,  "Yes" , "No" ]
c = {
        "name" : "Anwar Sadath",
        "class" : 12,
        "mark" : 98
     }
d = "Python"
```

1. What is the output of the following statements:
   a) print(a[4][3])
   b) print(b[-1])
   c) print(a[::-1])
   d) print(b[0:2])
   e) print(c["name"])

2. Write the code for the following:
   a) Add all the contents of list b to list a
   b) print the value of name key in dictionary c
   c) To get all the keys of dictionary c
   d) To get all the values of dictionary c
   e) To add a key 'age' and its value as 24 to the dictionary c
   f) To get the last letter of the third element of the list a
   g) To reverse the string d

3. Find the output if the following codes are executed:
   a) a.append(b)
      print(a)

   b) a.extend(b)
      print(a)

4. Find the output of the following code:
 1)
```
a = [1,2,1,3,4,1,2,5,6]
b = set(a)
print(b)
```

2)
```
a = { 1,2,1,3,4,2,6 }
b = list(a)
print(b)
```

3)
```
a = ( 1 , 2 , 3 , 4)
a[2] = 5
print(a)
```

4)
```
a = [1, 5, 8, 4]
b = (10 , 20 , 30 )
c = 0
if len(a) < len(b) :
        c = a[2] +  b[2]
elif len(a) == len(b):
        c = a[1] + b[2]
else:
        c = a[1] + b[2]
print(c)
```

5)
```
a = 10
c = [1 , 2, 3, 4, 5]
c.insert(2,a)
c.pop(3)
print(c)
```
6)
```
a = 10
b = 20
c = 0
if a ==b or b>a:
        c = a + b
elif a < b:
        c = b - a
else:
        c = a * b
print(c)
```