11). What is the output when we execute  
 list(“hello”)?

A. [‘h’, ‘e’, ‘l’, ‘l’, ‘o’] B. [‘hello’]  
C. [‘llo’] D. [‘olleh’]

12). What will be the output of the following  
 Python code?

**alist = [3, 67, "cat", [56, 57, "dog"], [ ], 3.14, False]  
print(alist[4:])**

A. [ [ ], 3.14, False] B. [ [ ], 3.14]

C. [ [56, 57, "dog"], [ ], 3.14, False]

13). What will be the output of the following  
 Python code?

L = [0.34, '6', 'SI106', 'Python', -2]  
 print(len(L[1:-1]))

A. 2 B. 3  
C. 4 D. 5

14. What is the value of alist after the following code executes?

alist = ['a', 'b', 'c', 'd', 'e', 'f']  
 del alist[1:5]  
 print(alist)

A. ['a', 'b', 'c', 'd', 'e', 'f'] B. ['a', 'f'] C. ['f'] D. ['b', 'c', 'd', 'e']

15). What is printed by the following  
 statements?

alist = [4, 2, 8, 6, 5]  
 alist = alist.pop(0)  
 print(alist)

A. [2, 8, 6, 5] B. [4, 2, 8, 6, 5] C. 4 D. None

**16). Write four differences between strings and lists in python (behind this paper).**

1). What will be the output of the following Python code?

list1 = [1, 3]

list2 = list1

list1[0] = 4

print(list2)

A. [1, 4] B. [1, 3, 4] C. [4, 3] D. [1, 3]

2). What will be the output of the following Python code?

a=[1,2,3,4,5,6,7,8,9]  
 print(a[::2])

1. [1,2] B. [8,9] C. [1,3,5,7,9] D. [1,2,3]

3). The code below manipulates a Python list using the  
 slicing operator. What will be the output?

a=[1,2,3,4,5,6,7,8,9]  
 a[::2]=10,20,30,40,50,60  
 print(a)

1. ValueError: Attempt to assign a sequence of size 6 to an extended slice of size 5
2. [10, 2, 20, 4, 30, 6, 40, 8, 50, 60]
3. [1, 2, 10, 20, 30, 40, 50, 60]
4. [1, 10, 3, 20, 5, 30, 7, 40, 9, 50, 60]

4). What would the following code print?

values = [3, 2, 1]  
 values[0] = values[1]  
 values[2] = values[2] + 1  
 print(values)

1. [3, 2, 1] B. [2, 0, 2] C. [2, 2, 2] D. [2, 2, 1]

5). What is printed by the following statements?

alist = [4, 2, 8, 6, 5]  
 alist.append(True)  
 alist.append(False)  
 print(alist)

1. [4, 2, 8, 6, 5, False, True]
2. [4, 2, 8, 6, 5, True, False]
3. [True, False, 4, 2, 8, 6, 5]

6). What will be the output of the following   
 Python code?

names = ['Amir', 'Bear', 'Charlton', 'Daman']  
print(names[-1][-1])

1. Daman Daman
2. Daman
3. Error
4. n

7). Suppose list1 is [1, 33, 5, 20, 5], what is  
 list1.index(5)?

A. 0 B. 1 C. 2 D. 4

8). What will be the output of the following  
 Python code?

a=[14,52,7]  
 b=a.copy()  
 b is a

1. True B. False

9). What is printed by the following  
 statements?

alist = [4, 2, 8, 6, 5]  
 alist = alist + 999  
 print(alist)

1. [4, 2, 8, 6, 5, 999]
2. Error, you cannot concatenate a list with an integer.
3. [[4, 2, 8, 6, 5], 999]
4. [4, 2, 8, 6, 5]

10). What is printed by the following  
 statements?

alist = [4, 2, 8, 6, 5]  
 temp = alist.pop(2)  
 temp = alist.pop()  
 print(alist)

A. [4, 8, 6] B. [2, 6, 5] C. [4, 2, 6]