1   Multiple Choice   1 point   creating a list

Which of the following is correct for creating a **list** in python?

○ a = {10, 20, 30, 40}

○ a = (10, 20, 30, 40)

● a = [10, 20, 30, 40]

○ a = //10, 20, 30, 40//

2   Multiple Choice   1 point   single dimension accessing value

You are given the following list:
sale_number = [100 ,4050 , 801, 2001]
How do you retrieve **4050** from sale_number list?

○ sale_number[0]

● sale_number[1]

○ sale_number[2]

○ sale_number[3]

3   Multiple Choice   1 point   list concatenation

What is the value of **a** based on the list below?
a = ['a',' b', 'c', 'd'] + [1,2,3,4]

- ○   [[1, 2, 3, 4], ['a', 'b', 'c', 'd']]
- ○   [1, 'a', 2, 'b', 3, 'c', 4, 'd']
- ○   [['a', 'b', 'c', 'd'], [1, 2, 3, 4]]
- ○   ['a', 1, 'b', 2, 'c', 3, 'd', 4]
- ◉   ['a', 'b', 'c', 'd', 1, 2, 3, 4]

4   Multiple Choice   1 point   accessing multiple dimensional list

Given the following two-dimensional list:
ab = [[1, 2, 3, 4], ['a', 'b', 'c', 'd']]
How can you retrieve the value of 'b' from the above list?

- ○   ab[0][1]
- ○   ab[2][1]
- ◉   ab[1][1]
- ○   ab[3][1]

5   Multiple Choice   1 point   insert value to list

After using the insert method on the list below, what is the value of list a?
a = [1, 2, 3, 4, 5]
a.insert(1,6)

- ⦿ [1,6,2,3,4,5]
- ◯ [1,2,3,4,5,6]
- ◯ [6,1,2,3,4,5]
- ◯ [1,2,6,3,4,5]

6   Multiple Choice   1 point   using len()

a = [1,2,3,4,5]
For the list above, what is the result of **len(a)?**

- ◯ 4
- ◯ 6
- ⦿ 5
- ◯ 7

7 Multiple Choice   1 point   list, append method

What is the value of **a** in the list below after using the **append** method?
a = [1,2,3,4,5]
a.append(6)

- ○ [6,1,2,3,4,5]
- ● [1,2,3,4,5,6]
- ○ [1,6,2,3,4,5]
- ○ [1,2,3,4,6,5]

8 Numeric   1 point   using for loop in a list

For the following for-loop, how many cycles this for loop executed?

```
b = [1, 2, 3, 4, 5]

for i in range(len(b)):
    print(i)
```

5

9   Multiple Choice   1 point   using for loop in a list

With the following loop, what is the last cycle value of **i**?

```
8  ∨  for i in range(9):
9          print(i)
10
```

- ○ 9
- ○ 10
- ● 8
- ○ 7

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10   Numeric   1 point   using for loop with enumerate method

With the following for loop, what is the **index** value in the last loop cycle?

```
name = ['smith', 'christ', 'osma']

for index, value in enumerate(name):
    print(index, value)
```

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