

In the name of Allah

Sixth season of introduction to python

**Multiple Choice Questions**

**1. The statement that creates the list is**

- a. `superstore = list()`
- b. `superstore = []`
- c. `superstore = list([1,2,3])`
- d. All of the above

**2. Suppose `continents = [1,2,3,4,5]`, what is the output of `len(continents)`?**

- a. 5
- b. 4
- c. None
- d. Error

**3. What is the output of the following code snippet?**

```
islands = [111,222,300,411,546]
max(islands)
```

- a. 300
- b. 4
- c. 546
- d. 111

**4. Assume the list `superstore` is `[1,2,3,4,5]`, which of the following is correct syntax for slicing operation?**

- a. `print(superstore[0:])`
- b. `print(superstore[:2])`
- c. `print(superstore[:-2])`
- d. All of these

**5. If `zoo = ["lion", "tiger"]`, what will be `zoo * 2`?**

- a. ['lion']
- b. ['lion', 'lion', 'Tiger', 'Tiger']
- c. ['lion', 'tiger', 'lion', 'tiger']
- d. ['Tiger']

**6. To add a new element to a list the statement used is?**

- a. `Zoo.add(5)`
- b. `zoo.append("snake")`
- c. `Zoo.addLast(5)`
- d. `Zoo.addend(4)`

**7. To insert the string "snake" to the third position in zoo, which of the following statement is used?**

- a. `Zoo.insert(3, "snake")`

b. `zoo.insert(2, "snake")`

c. `Zoo.Add(3,"Snake")`

d. `Zoo.Append(3,"Snake")`

8. Consider `laptops = [3, 4, 5, 20, 5, 25, 1, 3]`, what will be the output of `laptops.reverse()`?

a. `[3, 4, 5, 20, 5, 25, 1, 3]`

b. `[1, 3, 3, 4, 5, 5, 20, 25]`

c. `[25, 20, 5, 5, 4, 3, 3, 1]`

d. `[3, 1, 25, 5, 20, 5, 4, 3]`

9. Assume `quantity = [3, 4, 5, 20, 5, 25, 1, 3]`, then what will be the items of quantity list after `quantity.pop(1)`?

a. `[3, 4, 5, 20, 5, 25, 1, 3]`

b. `[1, 3, 3, 4, 5, 5, 20, 25]`

c. `[3, 5, 20, 5, 25, 1, 3]`

d. `[1, 3, 4, 5, 20, 5, 25]`

10. What is the output of the following code snippet?

```
letters = ['a', 'b', 'c', 'd', 'e']
```

```
letters[:2]
```

a. `['d', 'c', 'b']`

b. `['a', 'c', 'e']`

c. `['a', 'b', 'd']`

d. `['e', 'c', 'a']`

11. Suppose `list_items` is `[3, 4, 5, 20, 5, 25, 1, 3]`, then what is the result of `list_items.remove(4)`?

a. `3, 5, 29, 5`

b. `3, 5, 20, 5, 25, 1, 3`

c. `5, 20, 1, 3`

d. `1, 3, 25`

12. Find the output of the following code.

```
Matrix=[[1,2,3],[4,5,6,]]
```

```
V= matrix[0][0]
```

```
For row in range(0, len(matrix)):
```

```
    For column in range (0,len(matrix[row])):
```

```
        If v < matrix[row][column]:
```

```
            v= matrix[row][column]
```

```
print(v)
```

a. 3

b. 5

c. 6

d. 33

13. Gauge the output of the following.

```
Matrix = [[1, 2, 3, 4], [4, 5, 6, 7], [8, 9, 10, 11], [12, 13, 14, 15]]
```

```
For l in range (0, 4):
```

**Print (matrix[i][1])**

- a. 1 2 3 4
- b. 4 5 6 7
- c. 1 3 8 12
- d. 2 5 9 13

**14. What will be the output of the following?**

```
data = [[[1, 2], [3, 4]], [[5, 6], [7, 8]]]
```

```
print(data[1][0][0])
```

- a. 1
- b. 2
- c. 4
- d. 5

**15. The list function that inserts the item at the given index after shifting the items to the right is**

- a. Sort
- b. index
- c. insert()
- d. append

**16. The method that is used to count the number of times an item has occurred in the list is**

- a. count()
- b. len()
- c. length()
- d. extend()