

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. 222
 - 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 i 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()