

Q1 If you declare an array " double[] list = {1,2,3,0}; " , the highest index in the array is _____.

2 Points

- 0
- 1
- 2
- 3

Q2 Which of the following is a correct way to declare an array in Java?

2 Points

- a. `char[][] charArray = {{'1', '2'}, {'3', '4'}};`
- b. `char[2][] charArray = {{'a', 'b'}, {'c', 'd'}};`
- c. `char[2][2] charArray = {{'a', 'b'}, {'c', 'd'}};`
- d. `char[][] charArray = {'1', '3'}`

- choice b
- choice d
- choice a
- choice c

Q3 Assume `boolean[][] x = new boolean[1][7]`, what are `x.length` and `x[2].length`?

2 Points

- 1 and 7
- 4 and 5
- 4 and 4
- 7 and 1

Q4 What is the output of the following code?

2 Points

```
public class Test {
    public static void main(String[] args) {
        int[][] matrix = {{1, 2, 3, 4},
                          {4, 5, 6, 7},
                          {8, 9, 10, 11},
                          {12, 13, 14, 15}};
        for (int i = 0; i < 4; i++)
            System.out.print(matrix[i][2] + " ");
    }
}
```

- 13 8 12
- 2 5 9 13
- 1 2 3 4
- 3 6 10 14

Q5 What is the output of the following code?

2 Points

```
double[] myList = {1, 4, 5, 5, 5, 1};
double max = myList[0];
int indexOfMax = 0;
for (int i = 1; i < myList.length; i++) {
    if (myList[i] > max) {
        max = myList[i];
        indexOfMax = i;
    }
}
System.out.println(indexOfMax);
```

- 1
- 3
- 2
- 4
- Not possible