1) If you declare an array double[] list = {3.4, 2.0, 3.5, 5.5}, the highest index in array list is _____.

    A. 0
    B. 1
    C. 2
    D. 3
    E. 4

2) Assume int[] t = {1, 2, 3, 4}. What is t.length?

    A. 0
    B. 3
    C. 4
    D. 5

3) What is output of the following code:

```
public class Test {
 public static void main(String[] args) {
  int[] x = {120, 200, 016, 0x16, 0b10000};
  for (int i = 0; i < x.length; i++)
    System.out.print(x[i] + " ");
 }
}
```

    A. 120 200 16 16 10000
    B. 120 200 14 22 16
    C. 120 200 14 16 10000
    D. 016 is a compile error. It should be written as 16……

4) کد زیر به ترتیب چه مقادیری را چاپ می کند؟

```
public class Test {
    public static void main(String[] args) {
        double[][] array = new double[3][3];
        System.out.println(array.length);

        System.out.println(array[0].length);
        System.out.println(array[1].length);
        System.out.println(array[2].length);
        for (int i = 0; i < array.length; i++) {
            array[i] = new double[i * 10];
        }
        System.out.println(array[0].length);
        System.out.println(array[1].length);
        System.out.println(array[2].length);

    }
}
```

5) Assume double[][][] x = new double[4][5][6], what are x.length, x[2].length, and x[0][0].length?

    A. 4, 5, and 6
    B. 6, 5, and 4
    C. 5, 5, and 5
    D. 4, 5, and 4

6) ايراد هريک از کد های زير را اصلاح کنيد

```
int a[10];
for (int i = 0; i < 10; i++) {
    a[i] = i * 10;
}



double[] b = new double[10];
for (int i = 0; i <= 10; i++) {
    b[i] = i * 10;
}
```

7) What is 1.2 + 1.3 + 1.4 + 1.5 + 1.2 == 6.6?

    A. true

    B. false

    C. There is no guarantee that 1.2 + 1.3 + 1.4 + 1.5 + 1.2 == 6.6 is true.

8) Analyze the following code:

```
public class Test {
 public static void main(String[] args) {
  double[] x = {2.5, 3, 4};
  for (double value: x)
   System.out.print(value + " ");
 }
}
```

    A. The program displays 2.5, 3, 4

    B. The program displays 2.5 3 4

    C. The program displays 2.5 3.0 4.0

    D. The program displays 2.5, 3.0 4.0

    E. The program has a syntax error because value is undefined.

9) خروجی های برنامه زير را بنويسيد

```
public class Test {
    public static void main(String[] args) {
        float a = 3.14F;
        double b = 3.14D;
        double c = 314e-3;
        System.out.println(a == b);
        System.out.println(b == c);
        System.out.println(c);

    }
}
```