

CS 152  
Computer Programming  
Fundamentals  
Quiz 6

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## Question 1

What is the name of the method that is run when a Java program executes?

A class

B main

C start

D static

E void

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## Question 2

If I have created an array with 25 elements, what is the index of its last element?

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24

Arrays in Java are indexed starting at zero. An array with  $N$  elements will have indices from 0 to  $N-1$ .

## Question 3

What is the default value of the elements in an array of `ints` after declaration and instantiation of the array?

A 0

B 1

C null

D undefined

---

```
int [] arr = new int [10];
```

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A 0

B 1

C null

D undefined

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```
int[] arr = new int[10];
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## Question 4

How do you access the element of array a located at index 6?

A `a{6}`

B `a(6)`

C `a[6]`

D `a.6`



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## Question 5

How do you retrieve the number of elements in an array `a`?

A `a.length()`

B `a.length`

C `length(a)`

D `a.size()`

E `a.size`

F `size(a)`

## Question 5

How do you retrieve the number of elements in an array `a`?

A `a.length()`

**B `a.length`**

C `length(a)`

D `a.size()`

E `a.size`

F `size(a)`

## Question 6

How do you retrieve the number of characters in a String s?

A s.length()

B s.length

C length(s)

D s.size()

E s.size

F size(s)

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How do you retrieve the number of characters in a String s?

A `s.length()`

B `s.length`

C `length(s)`

D `s.size()`

E `s.size`

F `size(s)`

## Question 7

Fill in the blanks so that the output of the following program is: 13.1 99.0 2.4

```
public class TestClass {
    public static void main(String[] args) {
        double[] values = {45.2, 13.1, 12.8, 87.4,
                           99.0, 100.1, 43.8, 2.4};
        for(BLANK_1 i < values.length; BLANK_2) {
            System.out.print(values[i] + " ");
        }
    }
}
```

- BLANK\_1
- BLANK\_2

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- BLANK\_1
  - `int i = 1;`
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            System.out.print(values[i] + " ");
        }
    }
}
```

- BLANK\_1
  - `int i = 1;`
- BLANK\_2
  - `i += 3`
  - `i = i + 3`



## Question 8

Fill in the blanks so that the output of the following program is: 87.4 99.0 100.1 43.8 2.4

```
public class TestClass {
    public static void main(String[] args) {
        double[] values = {45.2, 13.1, 12.8, 87.4,
                           99.0, 100.1, 43.8, 2.4};
        for(int i = 0; BLANK_1 i++) {
            System.out.print(BLANK_2 + " ");
        }
    }
}
```

- BLANK\_1
  
- BLANK\_2

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    }
}
```

- BLANK\_1
  - `i < 5;`
  - `i < values.length - 3;`
- BLANK\_2

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- BLANK\_2
  - `values[i+3]`