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
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
Question 2

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

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

```java
int[] arr = new int[10];
```
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
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`
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)
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)`
Question 7

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

```java
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**
Question 7

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

```java
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
  - `int i = 1;`
- BLANK_2
Question 7

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

```java
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**
  - 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; i < values.length - 3; i++) {
            System.out.print(values[i+3] + " ");
        }
    }
}

• BLANK_1

• BLANK_2
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

```java
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
  - i < 5;
  - i < values.length - 3;

- BLANK_2
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

```java
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**
  - i < 5;
  - i < values.length - 3;
- **BLANK_2**
  - values[i+3]