Array in Java quiz

10 out of 10 correct

1. Which will legally declare, construct, and initialize an array?

    ○ int [] myList = {}

    ○ int [] myList = (5, 8, 2)

    ○ int myList [] [] = {4,9,7,0}

    ● int myList [] = {4, 3, 7}

2. Analyze the following code and choose the correct answer.

    int[] arr= new int[5];

    arr = new int[6];

    ○ The code has compile errors because the variable arr cannot be changed once it is assigned.

    ○ The code has runtime errors because the variable arr cannot be changed once it is assigned.

    ● The code can compile and run fine. The second line assigns a new array to arr.

    ○ The code has compile errors because we cannot assign a different size array to arr.

3. What will be the output of the following Java code?

    class evaluate

    {

       public static void main(String args[])

          {

```
int arr[] = new int[] {0 , 1, 2, 3, 4, 5, 6, 7, 8, 9};
    int n = 6;
            n = arr[arr[n] / 2];
    System.out.println(arr[n] / 2);
        }
    }
```

○ 3

○ 0

○ 6

◉ 1

Explanation:

4. What is the type of variable 'b' and 'd' in the following program?

    int a[], b;

    int []c, d;

○ 'b' and 'd' are int

○ 'b' and 'd' are arrays of type int

◉ **'b' is int variable; 'd' is int array**

○ 'd' is int variable; 'b' is int array

Explanation:

5. What will be the output of the following snippet?

    Object[] names = new String[3];

    names[0] = new Integer(0);

○ ArrayIndexOutOfBoundsException

◉ **ArrayStoreException**

○ Compilation Error

○ Code runs successfully

Explanation:

6. Can you make an array volatile?

◉ **True**

○ False

Explanation:

7. An Array elements are always stored in _____ memory locations.

◉ **Sequential**

○ Random

○ Sequential and Random

○ Binary search

Explanation:

8. What will be the output of the following program?

```
class Demo
  {
    public static void main(String args[])
    {
      int a1[] = new int[10];
      int a2[] = {1, 2, 3, 4, 5};
      System.out.println(a1.length + " " + a2.length);
    }
  }
```

◉ **10 5**

○ 5 10

○ 0 10

○ 0 5

Explanation:

9. What will be the output of the following Java program?

    class Demo
    {
        public static void main(String args[])
        {
            int arr[] = {1, 2, 3, 4, 5};
            for (int i = 0; i < arr.length - 2; ++i)
                System.out.println(arr[i] + " ");
        }
    }

○ 1 2

◉ **1 2 3**

○ 1 2 3 4

○ 1 2 3 4 5

Explanation:

10. What will be the output of the following code?

    int arr[] = new int [5];
    System.out.print(arr);

○ 0

○ value stored in arr[0].

○ 00000

◉ **Garbage value**

Explanation: