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Not yet answered

Marked out of 1.00

Define stuff array: `double[] stuff = {1.5, 2.5, 3.5, 4.5, 5.5, 6.5};` What is the length of this array?

- ☒ a. 6
- ☐ b. 5
- ☐ c. 1
- ☐ d. 7

[Clear my choice](#)**Question 2**

Not yet answered

Marked out of 1.00

Array data access using ____.

- ☐ a. Pointer
- ☐ b. Operator
- ☐ c. Variable
- ☒ d. index

[Clear my choice](#)**Question 3**

Not yet answered

Marked out of 1.00

Which of the following is used to declare,construct, and initlaize an array?

- ☒ a. `int[] arr = {};`
- ☒ b. `int arr[] = {1, 2, 3};`
- ☐ c. `int arr[][] = {1, 2, 3, 4};`
- ☒ d. `int[] arr = {1, 2, 3};`

Question 4

Not yet answered

Marked out of 1.00

Which of the following interfaces maintains not use index to access data?

- ☐ a. List
- ☐ b. Set
- ☐ c. ArrayList
- ☒ d. Map

Question 5

Not yet answered

Marked out of 1.00

Iterator and ListIterator can iterate through _____

- ☐ a. Map
- ☒ b. List
- ☐ c. Set
- ☐ d. [Collections](#)

[Clear my choice](#)

Question 6

Not yet answered

Marked out of 1.00

We can calculate the length of an ArrayList arrList using _____.

- ☒ a. arrList.size()
- ☐ b. sizeof(arrList)
- ☐ c. arrList.length
- ☐ d. arrList.len

[Clear my choice](#)

Question 7

Not yet answered

Marked out of 1.00

Collection is a/an _____

- ☒ a. framework and interface
- ☐ b. class
- ☐ c. interface
- ☐ d. framework and class

[Clear my choice](#)

Question 8

Not yet answered

Marked out of 1.00

Which of the following interfaces maintains the order in which the elements are inserted?

- ☐ a. ArrayList
- ☒ b. List
- ☐ c. Set
- ☐ d. Map

[Clear my choice](#)

Question 9

Not yet answered

Marked out of 1.00

Consider the following data field and method findLongest. Method findLongest is intended to find the longest consecutive block of the value target occurring in the array nums; however, findLongest does not work as intended. For example given the code below the call findLongest(10) should return 3, the length of the longest consecutive block of 10s. Which of the following the value actually returned by a call findLongest(15)?

```
1 private int[] nums = {7, 10, 10, 15, 15, 15, 15, 10, 10, 10, 15, 10, 10};
2 public int findLongest(int target) {
3     int lenCount = 0; // length of current consecutive numbers
4     int maxLen = 0; // max length of consecutive numbers
5     for (int k = 0; k < nums.length; k++) {
6         if (nums[k] == target) {
7             lenCount++;
8         } else if (lenCount > maxLen) {
9             maxLen = lenCount;
10        }
11    }
12    if (lenCount > maxLen) {
13        maxLen = lenCount;
14    }
15    return maxLen;
16 }
```

- ☐ a. 6
- ☐ b. 5
- ☐ c. 3
- ☒ d. 4

[Clear my choice](#)

Question 10

Not yet answered

Marked out of 1.00

What are the values in a after mult(3) executes?

```
1 private int[ ] a = {1, 3, -5, -2};
2 public void mult(int amt)
3 {
4     int i = 0;
5     while (i < a.length)
6     {
7         a[i] = a[i] * amt;
8     } // end while
9 } // end method
```

- ☐ a. The code will never stop executing due to an infinite loop
- ☐ b. {1, 3, -5, -2}
- ☒ c. {3, 9, -15, -6}
- ☐ d. {2, 6, -10, -4}

Clear my choice

Question 11

Not yet answered

Marked out of 1.00

What is the output of the following code fragment?

```
1 public class Main {
2
3     public static void main(String args[]) {
4
5         int[] items = {2, 7, 3, 5, 8, 9};
6         int funny = items[0];
7         for (int i = 0; i < items.length; i++) {
8             if (items[i] > funny) {
9                 funny = items[i];
10            }
11        }
12        System.out.print(funny + ' ');
13    }
14 }
```

- ☐ a. 9
- ☐ b. 2 7 3 5 8 9
- ☒ c. 41
- ☐ d. 2.

Clear my choice

Question 12

Not yet answered

Marked out of 1.00

What are the values in a after mult(2) executes?

```
1 private int[ ] a = {1, 3, -5, -2};
2 public void mult(int amt)
3 {
4     int i = 0;
5     while (i < a.length)
6     {
7         a[i] = a[i++] * amt;
8     } // end while
9 } // end method
```

- ☐ a. {3, 9, -15, -6}
- ☐ b. {1, 3, -5, -2}
- ☒ c. {2, 6, -10, -4}
- ☐ d. The code will never stop executing due to an infinite loop

Clear my choice

Question 13

Not yet
answeredMarked out of
1.00

What does the following method do?

```
1 public static void numbers (int [ ] num){
2     for(int x = 1; x < num.length; x++)
3         num[x] = num[0];
4 }
```

- ☐ a. It copies 0 into every element.
- ☐ b. It changes every element to the value of x
- ☒ c. It copies what is in cell 0 into all other cells.
- ☐ d. It puts the array into numerical ascending order.

Clear my choice

Question 14

Not yet
answeredMarked out of
1.00

What is the output of the following code fragment?

```
1 public class Main {
2
3     public static void main(String args[]) {
4
5         int[] evens = {2, 4, 6, 8, 10};
6         evens[0] = 44;
7         evens[4] = evens[2];
8         System.out.println(evens[0] + " " + evens[4]);
9     }
10 }
```

- ☐ a. 2 10
- ☒ b. 44 6
- ☐ c. 44 10
- ☐ d. 54

Clear my choice

Question 15

Not yet
answeredMarked out of
1.00

What is the output of the following code fragment?

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

- ☐ a. 2 4 6 8
- ☐ b. 7
- ☒ c. 36
- ☐ d. 2 4 6 8 1 3 5 7

Clear my choice

Question 16

Not yet
answeredMarked out of
1.00

What is printed as a result of executing the following code segment?

```
1  import java.util.HashSet;
2  import java.util.Iterator;
3  import java.util.Set;
4
5  public class Main {
6
7      public static void main(String args[]) {
8          Set<Integer> aSet = new HashSet<>();
9          aSet.add(10);
10         aSet.add(20);
11         aSet.add(10);
12         aSet.add(40);
13         aSet.add(60);
14         aSet.add(30);
15         aSet.remove(10);
16
17         Iterator itor = aSet.iterator();
18         while (itor.hasNext()) {
19             System.out.print(itor.next() + " ");
20         }
21     }
22 }
```

- ☐ a. 10 20 30 40 60
- ☐ b. Compiler error
- ☒ c. 20 10 40 60 30
- ☐ d. 20 40 60 30

Clear my choice

Question 17

Not yet
answeredMarked out of
1.00

What is printed as a result of executing the following code segment?

```
1  import java.util.HashSet;
2  import java.util.Iterator;
3  import java.util.Set;
4
5  public class Main {
6
7      public static void main(String args[]) {
8          Set<Integer> aSet = new HashSet<>();
9          aSet.add(10);
10         aSet.add(20);
11         aSet.add(10);
12         aSet.add(40);
13         aSet.add(60);
14         aSet.add(30);
15         aSet.remove(1);
16
17         Iterator itor = aSet.iterator();
18         while (itor.hasNext()) {
19             System.out.print(itor.next() + " ");
20         }
21     }
22 }
```

- ☐ a. 20 40 10 60 30
- ☐ b. Compiler error
- ☒ c. 10 20 10 40 60 30
- ☐ d. 10 20 30 40 60

Clear my choice

Question 18

Not yet
answeredMarked out of
1.00

What is printed as a result of executing the following code segment?

```
1  import java.util.Set;
2  import java.util.TreeSet;
3
4  public class Main {
5
6      public static void main(String args[]) {
7          Set<Integer> aList = new TreeSet<>();
8          aList.add(1);
9          aList.add(2);
10         aList.add(1);
11         aList.add(4);
12         aList.add(6);
13         aList.add(3);
14         System.out.println(aList);
15     }
16 }
17
```

- ☐ a. [1, 1, 2, 3, 4, 6]
- ☐ b. [1, 2, 3, 4, 6]
- ☒ c. [1, 2, 1, 4, 6, 3]
- ☐ d. Compiler error

Clear my choice

Question 19

Not yet
answeredMarked out of
1.00

What is the output of the following code?

```
1  import java.util.ArrayList;
2
3  public class Main {
4
5      public static void main(String args[]) {
6          ArrayList tab = new ArrayList();
7          for (int i = 6; i > 0; i--) {
8              tab.add(i);
9          }
10
11         for (int i = 0; i < 6; i++) {
12             System.out.print((int)tab.get(i)-1);
13         }
14     }
15 }
16
```

- ☐ a. 611110
- ☐ b. 600001
- ☐ c. 654321
- ☒ d. 543210

Clear my choice

Question 20

Not yet
answeredMarked out of
1.00

What is the output of the following code?

```
1  import java.util.ArrayList;
2
3  public class Main {
4
5      public static void main(String args[]) {
6          ArrayList tab = new ArrayList();
7          for (int i = 6; i > 0; i--) {
8              tab.add(i);
9          }
10
11         for (int i = 0; i < 6; i++) {
12             System.out.print(tab.get(i));
13         }
14     }
15 }
```

- ☐ a. 611110
- ☐ b. 600001
- ☒ c. 654321
- ☐ d. 543210

Clear my choice

Question 21

Not yet
answeredMarked out of
1.00

What is the output of the following code?

```
1  import java.util.Collections;
2  import java.util.Iterator;
3  import java.util.LinkedList;
4
5  public class Main {
6
7      public static void main(String args[]) {
8          LinkedList<Integer> lang = new LinkedList<Integer>();
9          lang.add(8);
10         lang.add(2);
11         lang.add(1);
12         lang.add(6);
13         Iterator it = lang.iterator();
14         Collections.reverse(lang);
15         Collections.sort(lang);
16         while (it.hasNext()) {
17             System.out.print(it.next() + " ");
18         }
19     }
20 }
```

- ☐ a. 8 2 1 6
- ☐ b. 8 6 2 1
- ☒ c. 6 1 2 8
- ☐ d. 1 2 6 8

Clear my choice

Question 22

Not yet
answeredMarked out of
1.00

What will print when the following code executes?

```
1 import java.util.ArrayList;
2 import java.util.List;
3
4 public class Main {
5
6     public static void main(String args[]) {
7         List<String> list1 = new ArrayList<String>();
8         list1.add("Anaya");
9         list1.add("Layla");
10        list1.add("Sharrie");
11        list1.set(0, "Destini");
12        list1.add(0, "Sarah");
13        System.out.println(list1);
14    }
15 }
16
```

- ☐ a. [Sarah, Layla, Sharrie]
- ☒ b. [Sarah, Destini, Layla, Sharrie]
- ☐ c. [Destini, Layla, Sharrie, Sarah]
- ☐ d. [Sarah, Destini, Anaya, Layla, Sharrie]

Clear my choice

Question 23

Not yet
answeredMarked out of
1.00

Given the following code and assume that nums initially contains [0, 0, 4, 2, 5, 0, 3], what will nums contain as a result of executing numQuest?

```
1 private List<Integer> nums;
2
3 // precondition: nums.size() > 0;
4 // nums contains Integer objects
5 public void numQuest()
6 {
7     int k = 0;
8     Integer zero = new Integer(0);
9     while (k < nums.size())
10    {
11        if (nums.get(k).equals(zero))
12            nums.remove(k);
13        else
14            k++;
15    }
16 }
17
```

- ☐ a. [3, 5, 2, 4, 0, 0, 0]
- ☒ b. [4, 2, 5, 3]
- ☐ c. [0, 0, 0, 4, 2, 5, 3]
- ☐ d. [0, 4, 2, 5, 3]

Clear my choice

Question **24**Not yet
answeredMarked out of
1.00

The interface Comparable contains the method _____

- ☐ a. compareTo
- ☐ b. compare
- ☒ c. compareTo
- ☐ d. toCompare

[Clear my choice](#)Question **25**Not yet
answeredMarked out of
1.00

Which of the following Sets maintains the insertion order?

- ☐ a. TreeSet
- ☒ b. LinkedHashSet
- ☐ c. HashSet
- ☐ d. ArrayList

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