

### Question 1

Correct

Mark 1.00 out of 1.00

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```
int[] myArray = new int[] {1, 2, 3, 4, 5};
```

What allows you to create a list from this array?

Select one:

- ☐ List myList = myArray.asList();
- ☒ List myList = Arrays.asList(myArray); ✓
- ☐ List myList = Collections.fromArray(myArray);
- ☐ List myList = new ArrayList(myArray);

### Question 2

Correct

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java.util.Map



interface provides the capability to store objects using a key-value pair ?

### Question 3

Correct

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Which two statements are true about the hashCode method?

Select one or more:

- ☐ The hashCode method is used by the java.util.SortedSet collection class to order the elements within that set.
- ☐ The only important characteristic of the values returned by a hashCode method is that the distribution of values must follow a Gaussian distribution.
- ☒ The hashCode method is used by the java.util.HashSet collection class to group the elements within that set into hash buckets for swift retrieval. ✓
- ☒ The hashCode method for a given class can be used to test for object inequality, but NOT object equality, for that class. ✓

### Question 4

Correct

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Given:

```
11. public class Person {  
12.     private String name;  
13.     public Person(String name) {  
14.         this.name = name;  
15.     }  
16.     public int hashCode() {  
17.         return 420;  
18.     }  
19. }
```

Which statement is true?

Select one:

- ☐ Deleting a Person key from a HashMap will delete all map entries for all keys of type Person.
- ☐ The time to determine whether a Person object is contained in a HashSet is constant and does NOT depend on the size of the map.
- ☐ Inserting a second Person object into a HashSet will cause the first Person object to be removed as a duplicate.
- ☒ The time to find the value from HashMap with a Person key depends on the size of the map. ✓

## Question

5

Correct

Mark 1.00 out of 1.00

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Given

```
1. import java.util.*;
2. public class WrappedString {
3.     private String s;
4.     public WrappedString(String s) { this.s = s; }
5.     public static void main(String[] args) {
6.         HashSet<Object> hs = new HashSet<Object>();
7.         WrappedString ws1 = new WrappedString("aardvark");
8.         WrappedString ws2 = new WrappedString("aardvark");
9.         String s1 = new String("aardvark");
10.        String s2 = new String("aardvark");
11.        hs.add(ws1); hs.add(ws2); hs.add(s1); hs.add(s2);
12.        System.out.println(hs.size()); } }
```

What is the result?

Select one:

- ☐ 1
- ☐ 2
- ☒ 3 ✓
- ☐ 0

## Question

6

Correct

Mark 1.00 out of 1.00

Flag question

nextIndex() and previousIndex() are methods of  ✓ interface