socrative
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Name: Answer Sheet   **Date:** 05/26/2016

Quiz name: Module 1 - Collections Framework Part 1   **Score:** 100%

```
List<String> myList = new ArrayList<String>( );

String s = "Hello";
Integer i = new Integer(123);
Character c = new Character('a');
```

✔ 1. **Given the code snippet above, which of the statements below would be valid (i.e. would not cause a compile error)?**

    (A) myList.add(s);
    (B) myList.add(i);
    (C) myList.add(c);
    (D) None are valid
    (E) I don't know

✔ 2. Which of the following statements are true? (Choose all that apply)

    (A) Elements of a List can be referenced directly
    (B) A Set is an ordered data structure
    (C) Lists do not allow duplicates
    (D) Lists are an unordered data structure
    (E) I don't know

✔ 3. Choose the option below that best describes the operation of a Queue

    (A) First In Last Out
    (B) First In First Out
    (C) Last In First Out
    (D) Last Out First In
    (E) I don't know

✔ 4. Choose the option below that best describes the operation of a Stack

    (A) First In First Out
    (B) Last In First Out
    (C) Last In Last Out
    (D) Last Out First In
    (E) I don't know

```
List<String> groceryList = new ArrayList<String>( );

groceryList.add( "Milk" );
groceryList.add( "Eggs" );
groceryList.add( "Bread" );
groceryList.add( "Onions" );
groceryList.add( "Olive Oil");

groceryList.remove( 0 );
String item = groceryList.get( 1 );

System.out.println( item );
```

✔ 5.

What does this code snippet display?

(A) Milk

(B) Eggs

(C) Bread

(D) Onions

(E) Olive Oil

(F) I don't know

✔ 6. java.util.Set is a...

(A) class

(B) interface

(C) object

(D) package

(E) I don't know

✔ 7. What is the most commonly used implementation of the java.util.List interface?

(A) java.util.ArrayList

(B) java.util.LinkedList

(C) java.util.Vector

(D) java.util.Stack

(E) I don't know

```
Set numbers = new HashSet ( );

numbers.add( 4 );
numbers.add( 4 );
numbers.add( 1 );
numbers.add( 2 );
numbers.add( 0 );

int size = numbers.size( );
```

✔ 8.

What is the value of the "size" variable at the end of this code snippet?

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