# Collection in Java quiz     11 out of 11 correct

1.  The collection is a _____

    🔵 **framework and interface**

    ⚪ framework and class

    ⚪ only interface

    ⚪ only class

    **Explanation:** Collection is both framework and interface

2.  What is Collection in Java?

    🔵 **A group of objects**

    ⚪ A group of interfaces

    ⚪ A group of data types

    ⚪ A group of classes

3.  Which implementation of Iterator can traverse a collection back and forth?

    ⚪ Iterator

    🔵 **ListIterator**

    ⚪ SetIterator

    ⚪ MapIterator

    **Explanation:** Iterator can only traverse forward while ListIterator traverses both forward and backward. ListIterator can help replace an element, while Iterator cannot.

4. Which collection allows indexed access to its elements, but its methods are not synchronized?

○ Vector

○ TreeMap

○ HashSet

● **ArrayList**

5. Which of these packages contain all the collection classes?

○ java.net

○ java.awt

○ java.lang

● java.util

6. Choose the correct option based on this program:

import java.util.*;

class UtilitiesTest {

   public static void main(String[] args) {

      List < int > intList = new ArrayList < > ();

      intList.add(10);

      intList.add(20);

      System.out.println("The list is: " + intList);}}

○ It prints the following: The list is: $[10, 20]$

○ It prints the following: The list is: $[20, 10]$

● **It results in a compiler error**

○ It results in a runtime exception

7. Which of these return type of hasNext() method of an iterator?

○ Integer

○ Double

◉ **Boolean**

○ Collections Object

**Explanation:** hasNext() returns boolean values true or false.

8. Which of these methods is used to obtain an iterator to the start of collection?

○ start()

○ begin()

○ iteratorSet()

◉ **iterator()**

**Explanation:** To obtain an iterator to the start of the start of the collection we use iterator() method.

9. Which of these methods can be used to move to the next element in a collection?

◉ **next()**

○ move()

○ shuffle()

○ hasNext()

10. Which of these iterators can be used only with List?

○ Setiterator

◉ **ListIterator**

○ Literator

○ None of the mentioned

11. Which of these is a method of ListIterator used to obtain an index of the previous element?

○ previous()

● **previousIndex()**

○ back()

○ goBack()

**Explanation:** previousIndex() returns index of previous element. if there is no previous element then -1 is returned.

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