

Practice Review

Total points 10

1. In an **ArrayList**, each entry is indexed by what?

1 / 1 point

- ☐ A string
- ☐ its position
- ☒ An int
- ☐ a value

✓ **Correct**
Correct

2. What are the two most important methods provided by the **Iterator** interface for accessing the elements of a container from first to last?

1 / 1 point

- ☐ forEach()
- ☐ HashSet<>
- ☒ hasNext()

✓ **Correct**
Correct

- ☒ next()

✓ **Correct**
Correct

3. Which version of Java introduced the Enhanced **For-Loop** and the formal **Iterable** interface?

1 / 1 point

- ☒ Java 5
- ☐ Java 8
- ☐ Java 1.2
- ☐ Java 7

✓ **Correct**
Correct

4. The core API includes one implementation of **SortedSet** called what?

1 / 1 point

- ☐ the iterator interface
- ☐ the HashSet
- ☒ the TreeSet
- ☐ the comparable

✓ **Correct**
Correct

5. Which of the following manages its own internal storage, uses methods instead of square brackets and is more flexible because we do not have to consider the maximum number of items to store in it?

1 / 1 point

- ☐ The StorageList
- ☒ The ArrayList
- ☐ Generics
- ☐ The collection

✓ **Correct**
Correct

6. True or False? Collections are more flexible and more powerful alternatives to arrays.

1 / 1 point

- ☒ True
- ☐ False

✓ **Correct**
Correct

7. Which of the following are major types of Collections? Select all that apply.

1 / 1 point

- ☐ Iterators
- ☐ Arrays
- ☒ Lists

✓ **Correct**
Correct

- ☐ Interfaces
- ☒ Sets

✓ **Correct**
Correct

- ☒ Maps

✓ **Correct**
Correct

8. With the use of _____ we can specify what type of objects are being put into the collection.

1 / 1 point

- ☐ Wrappers
- ☒ Generics
- ☐ References

✓ **Correct**
Correct

9. What happens if your **iterator** no longer reflects the contents of the **Collection**?

1 / 1 point

- ☒ Java creates a run-time error condition called an Exception.
- ☐ The use of generics guarantees all objects in the list to be of a specific type.
- ☐ Iterator() is used to obtain an iterator of the elements.

✓ **Correct**
Correct

10. Which of the following is a collection that contains no duplicate elements?

1 / 1 point

- ☒ Set
- ☐ ArrayList
- ☐ Exception
- ☐ SortedSet

✓ **Correct**
Correct