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1.	Because an ArrayList <e> is an indexed collection, you can access its elements using a subscript.</e>
2.	The actual object type stored in an object of type <i>CollectionClassName</i> <e> is specified when the object is created.</e>
3.	Array reallocation is effectively an O(1) operation.
4.	The Node class for a double-linked list has references to the data and to the next and previous nodes.
5.	The ArrayList $<$ E $>$ has the limitation that the add and remove methods operate in $O(n^2)$ time.
6.	A Node is generally defined inside another class, making it a(n) class.
7.	The language feature introduced in Java 5.0 called <i>generic collections</i> is also known as
8.	Give an example of an unboxing statement in Java 5.0.
9.	Character ch = 'x' in Java 5.0 is equivalent to Character ch = new Character('x') in earlier Java versions.
10.	The interface is used to pass collections of data as a method parameter in the most general way.
11.	The ArrayList <e> class is part of the package called</e>
12.	Iterator objects throw a(n) if they are asked to retrieve the next element after all elements have been processed.
13.	If a call to remove (java.util.Iterator interface) is not preceded by a call to next, remove will throw a(n)

14.	types allow us to define a collection such as an ArrayList of a specific type.
15.	If you want to remove two consequtive elements in a list, a separate call to must occur before each call to remove.
16.	To obtain a ListIterator, you call the method of the LinkedList class.
17.	The Collection interface is the root of the collection hierarchy.
A) B) C)	A(n) is an indexed data structure, which means you can select its elements in arbitary order as determined by the subscript value. String stack array list
A) B) C)	Which of the following can be done with an array object? Traverse the list structure without having to manage a subscript. Increase or decrease its length, which is fixed. Add an element at a specified position without shifting the other elements to make room. Remove an element at a specified position without shifting the other elements to fill in the resulting gap.
A) B) C)	The simplest class that implements the List <e> interface is the class. ListIterator<e> Collection<e> ArrayList<e> AbstractList<e></e></e></e></e></e>

A) B) C)	The method, of the ArrayList <e> class, creates a new array that is twice the size of the current array and then copies the contents of the current array into the new one. remove add reallocate vector</e>
A) B) C)	In the java.util.ArrayList <e> class, which of the following returns a reference to the element at position index? add(E anEntry) indexOf(E target) E remove(int index) E get(int index)</e>
A) B) C)	Which of the following is a subclass of Vector? Stack LinkedList Iterator Collection
A) B) C)	A(n) is a data structure that contains a data item and one or more links. collection node iterator interface
A) B) C)	You could create a circular list from a single-linked list by executing the statement tail.next = head; head.prev = tail; tail.head = next; head.tail = prev;
A) B) C)	In the Java API documentation, inner classes are called classes. collection interface nested iterator

A) B) C)	The LinkedList <e> class implements the List<e> interface using a(n) iterator interface collection double-linked list</e></e>
28.	A(n) is a statement of any assumptions or constraints on the method data before the method begins execution.
29.	testing tests the software element (method, class, or program) with the knowledge of its internal structure.
30.	The replacement for a method that has not yet been implemented or tested is called a(n)
31.	A(n) declares any necessary object instances and variables, assigns values to any of the method's inputs, calls the method, and displays the values of any outputs returned by the method.
A) B) C)	testing refers to testing the smallest testable piece of software. Integration System Unit Acceptance
B) C)	testing involves testing the interactions among units. Unit System Integration Acceptance
B) C)	testing is the testing of the whole program in the context in which it will be used. Acceptance Integration Unit System

- 35. _____ testing is system testing designed to show that the program meets its functional requirements.
- A) Unit
- B) Acceptance
- C) System
- D) Integration

Answer Key

- 1. False
- 2. True
- 3. True
- 4. True
- 5. False
- 6. inner
- 7. Generics
- 8. char nextChar = ch; //where ch is of type Character
- 9. True
- 10. Collection
- 11. java.util
- 12. NoSuchElementException
- 13. IllegalStateException
- 14. Generic
- 15. next
- 16. listIterator
- 17. False
- 18. C
- 19. A
- 20. C
- 21. C
- 22. D
- 23. A
- 24. B
- 25. A
- 26. C
- 27. D
- 28. precondition
- 29. White-box
- 30. stub
- 31. driver
- 32. C
- 33. C
- 34. D
- 35. B