

## MCQ Exam Result

### Result Summary

Field	Value
Test ID	41426
Total Questions	20
Marks Obtained	14
Attempted	20
Non-Attempted	0
Percentage	70.00%
Grade	Excellent

### Question Details

Q.No	Question	Your Answer	Correct Answer	Result	Status
1	Which iterator allows bi-directional traversal?	ListIterator	ListIterator	Correct	Attempted
2	Which feature is true for Sequenced Collections in Java?	They allow duplicates and maintain a sequence.	They allow duplicates and maintain a sequence.	Correct	Attempted
3	What is the output of the following code?  <pre>import java.util.*; public class TrickeyDemo{     public static void main(String[] args) {          Map map = new HashMap();         map.put("A", 1);         map.put("B", 2);          map.compute("A", (k, v) -&gt; v + 10);         map.compute("C", (k, v) -&gt; v == null ?          : v + 1);          System.out.println(map);     } }</pre>	{A=11, B=2, C=1}	{A=11, B=2, C=1}	Correct	Attempted
4	What happens when the following code is executed?  <pre>import java.util.*; public class TrickeyDemo {     public static void main(String[] args) {          Set set = new HashSet();     } }</pre>	Size = 3	Size = 3	Correct	Attempted

Q.No	Question	Your Answer	Correct Answer	Result	Status
	<pre> for (int i = 0; i &lt; 3; i++) {     set.add(i);     set.add(i); } System.out.println(set.size()); } </pre>				
5	Which operation has worst-case O(log n) complexity?	Removal in LinkedHashSet	Insertion in TreeSet	Incorrect	Attempted
6	<p>Consider the following code:</p> <pre> import java.util.*; public class TrickyDemo {     public static void main(String[] args) {          Iterable it = new ArrayList();         System.out.print( it.iterator().next());     } } </pre> <p>What happens at this code?</p>	Prints null	Throws NoSuchElementException	Incorrect	Attempted
7	<p>)What is the output?</p> <pre> import java.util.*; public class TrickyDemo {     public static void main(String[] args) {          List list = List.of(1, 2, 3);         list.add(4);         System.out.println(list);     } } </pre>	UnsupportedOperationException	UnsupportedOperationException	Correct	Attempted
8	Which statement about HashMap internal behavior (Java 8+) is true?	HashMap uses red-black trees by default	HashMap switches to a balanced tree when bucket size exceeds a threshold	Incorrect	Attempted
9	<p>Find the output?</p> <pre> import java.util.*;  public class Test2 {     public static void main(String[] args) {         Set set = new LinkedHashSet();         set.add("Java");         set.add("Python");         set.add("C++");         set.add("Java");          Iterator it = set.iterator();         while(it.hasNext()) {             String val = it.next();             if(val.startsWith("P")) it.remove();         }         System.out.println(set);     } } </pre>	[Java, C++]	[Java, C++]	Correct	Attempted
10	<pre> import java.util.*; public class TrickyDemo {     public static void main(String[] args) {          Iterable it = () -&gt; List.of(10, 20).iterator();          for (Iterator i = it.iterator(); i.hasNext(); {             System.out.print(i.next() + " ");         }     } } </pre>	10 20	10 20	Correct	Attempted

Q.No	Question	Your Answer	Correct Answer	Result	Status
	}				
11	Which of the following represents the correct hierarchy of the Java List interface?	Collection ? List ? ArrayList	Collection ? List ? ArrayList	Correct	Attempted
12	What happens if equals() is overridden but hashCode() is not? Note:-Logic question in Collections	Hash-based collections behave incorrectly	Hash-based collections behave incorrectly	Correct	Attempted
13	What will be the output?  import java.util.*; public class TrickyDemo { public static void main(String[] args) {  Set set = Set.of(1, 2, 3); set.add(4); System.out.println(set); } }	Throws UnsupportedOperationException	Throws UnsupportedOperationException	Correct	Attempted
14	Which Map implementation allows multiple null values but does NOT allow null keys?	HashMap	TreeMap	Incorrect	Attempted
15	Which collection is implemented using a doubly linked list + hash table?	TreeSet	LinkedHashSet	Incorrect	Attempted
16	Why are most collections called fail-fast?	They detect concurrent modification	They detect concurrent modification	Correct	Attempted
17	Which class is thread-safe but deprecated for modern use?	LinkedList	Vector	Incorrect	Attempted
18	Consider the following Java code:  import java.util.*; public class TrickyDemo { public static void main(String[] args) { List list = new ArrayList(); list.add("A"); list.add("B"); list.add("A"); System.out.println(list.size()); } }  What will be the output?	3	3	Correct	Attempted
19	Which of the following collections produces an unpredictable output order when elements are printed?	HashSet	HashSet	Correct	Attempted
20	Which data structure is used internally by HashMap (Java 8+) when collisions exceed threshold?	Red-Black Tree	Red-Black Tree	Correct	Attempted