

OOPJ CCEE Practice Quiz

Total points 18/20 ?

The respondent's email (**pranjalchirmade05@gmail.com**) was recorded on submission of this form.

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Questions

18 of 20 points

✓ Which of the following options guarantees insertion-order preservation but with no duplicates? *1/1

- ☐ a) TreeSet
- ☐ b) HashSet
- ☒ c) LinkedHashSet
- ☐ d) ArrayList



✓ What is the purpose of the WeakHashMap in Java? * 1/1

- ☒ a) To allow keys to be garbage-collected when no longer referenced.
- ☐ b) To improve performance over HashMap.
- ☐ c) To ensure thread safety.
- ☐ d) To enforce unique values.



✓ Which method in the RandomAccessFile class is used to move the file pointer to a specific position? *1/1

☒ a) seek()



☐ b) move()

☐ c) locate()

☐ d) find()

✗ Consider the following code snippet:

*

0/1

```
public class CustomException extends Exception {}

public class Test {
    public static void main(String[] args) {
        try {
            throw new CustomException();
        } catch (Exception e) {
            throw e;
        } finally {
            System.out.println("Finally block executed");
        }
    }
}
```

- ☒ a) It will print "Finally block executed" and throw CustomException. ✗
- ☐ b) It will print "Finally block executed" and terminate normally.
- ☐ c) It will result in a compilation error.
- ☐ d) It will print nothing and terminate normally.

Correct answer

- ☒ c) It will result in a compilation error.

✓ What will happen if you use the following code and the map contains duplicate values? *1/1

```
Map<Integer, String> map = new HashMap<>();  
map.put(1, "apple");  
map.put(2, "banana");  
map.put(3, "apple");  
Set<String> set = new HashSet<>(map.values());  
System.out.println(set);
```

- ☐ a) It will print all the values: [apple, banana, apple].
- ☒ b) It will print only unique values: [apple, banana].
- ☐ c) It will throw a ConcurrentModificationException.
- ☐ d) It will remove duplicate keys from the map.



✓ Which of the following correctly describes the difference between HashMap and Hashtable? *1/1

- ☐ a) HashMap is synchronized, whereas Hashtable is not.
- ☒ b) HashMap allows null keys and values, whereas Hashtable does not.
- ☐ c) Both HashMap and Hashtable allow null keys.
- ☐ d) Hashtable is more efficient than HashMap.



✓ Which of the following best describes the term "exception chaining" in Java? *1/1

- ☒ a) Wrapping one exception inside another.
- ☐ b) Catching multiple exceptions in a single catch block.
- ☐ c) Nesting try blocks.
- ☐ d) Handling checked exceptions using unchecked exceptions.



✓ Given the following code, what will happen if the file does not exist? *1/1
`BufferedReader br = new BufferedReader(new
FileReader("existingFile.txt"));`

- ☐ a) It will create the file if it does not exist.
- ☒ b) It will throw a FileNotFoundException.
- ☐ c) It will return null.
- ☐ d) It will return an empty string.



✓ Consider the following code:

*

1/1

```
List<String> list = new ArrayList<>();  
list.add("one");  
list.add("two");  
list.add("three");  
List<String> sublist = list.subList(1, 2);  
sublist.add("four");  
System.out.println(list);
```

What will be printed?

- ☐ a) [one, two, four]
- ☒ b) [one, two, four, three]
- ☐ c) [one, two, three]
- ☐ d) ConcurrentModificationException

✓

✓ Given the following code snippet:

*

1/1

```
Map<Integer, String> map = new TreeMap<>();  
map.put(1, "A");  
map.put(2, "B");  
map.put(null, "C");
```

What will happen when this code is executed?

- ☐ a) The code will compile and run normally.
- ☒ b) The code will throw a NullPointerException at runtime.
- ☐ c) The code will throw a ClassCastException.
- ☐ d) The code will throw a IllegalArgumentException.

✓

✓ What happens if you attempt to modify a collection while iterating over it using an Iterator? *1/1

- ☒ a) It throws a ConcurrentModificationException.
- ☐ b) It modifies the collection without issues.
- ☐ c) It creates an infinite loop.
- ☐ d) It modifies only elements after the iterator's current position.

✓

✓ How do you retrieve all keys from a Map in Java? *

1/1

```
Map<String, Integer> map = new HashMap<>();  
map.put("A", 1);  
map.put("B", 2);  
map.put("C", 3);
```

- ☐ a) map.getKeys()
- ☐ b) map.values()
- ☒ c) map.keySet()
- ☐ d) map.entrySet()



✗ What is the output of the following code?

*

0/1

```
List<String> list = Arrays.asList("apple", "banana", "cherry");  
ListIterator<String> iterator = list.listIterator();  
while (iterator.hasNext()) {  
    System.out.print(iterator.next() + " ");  
    if (iterator.nextIndex() == 2) {  
        iterator.previous();  
    }  
}
```

- ☒ a) apple banana banana cherry
- ☐ b) apple banana cherry
- ☐ c) IndexOutOfBoundsException
- ☐ d) Infinite Loop

✗

Correct answer

- ☒ d) Infinite Loop

✓ What would happen in the following scenario? *

1/1

```
Set<String> set = new HashSet<>();  
set.add("one");  
set.add(null);  
set.add("two");  
set.add(null);  
System.out.println(set.size());
```

- ☐ a) 2
- ☒ b) 3
- ☐ c) NullPointerException
- ☐ d) Compilation Error



✓ What happens if a catch block is defined for a checked exception but that exception is not thrown within the try block? *1/1

- ☐ a) Compile-time error.
- ☐ b) Runtime exception.
- ☒ c) The catch block will be ignored. ✓
- ☐ d) The program will not compile if no catch block matches.

✓ Which collection class is suitable if your application requires fast random access but infrequent insertions and deletions? *1/1

- ☐ a) LinkedList
- ☒ b) ArrayList ✓
- ☐ c) HashSet
- ☐ d) PriorityQueue

✓ What happens when you use the following code snippet and the file already exists? *1/1

```
FileOutputStream fos = new FileOutputStream("test.txt", false);
```

- ☐ a) It will throw an exception.