

# OOPJ CCEE Practice Quiz

Total points 15/20 ?

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0 of 0 points

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Questions

15 of 20 points



✗ Consider the following code:

\*

0/1

```
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

✗

Correct answer

- ☒ b) [one, two, four, three]

✗ What happens if you attempt to modify a collection while iterating over it using an Iterator? \*0/1

- ☐ 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.

✗

Correct answer

- ☒ a) It throws a ConcurrentModificationException.



✓ 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()



✓ 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.
- ☐ b) It will append to the file.
- ☒ c) It will overwrite the file.
- ☐ d) It will open the file in read-only mode.



✗ Which collection class is suitable if your application requires fast random access but infrequent insertions and deletions? \*0/1

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



Correct answer

- ☒ b) ArrayList



✓ What is the output of the following code? \*

1/1

```
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



✓ 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.



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

- ☐ 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.



✓ 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 will be the output if you run the program? \*

1/1

```
try {  
    throw new Exception("Test Exception");  
} finally {  
    throw new RuntimeException("Runtime Exception in finally");  
}
```

- ☐ a) The program will compile successfully but throw an Exception.
- ☒ b) The program will compile successfully but throw a RuntimeException.
- ☐ c) The program will not compile due to the unchecked exception in the finally block.
- ☐ d) The program will compile successfully but throw both Exception and RuntimeException.



✓ 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.

✓

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

\*1/1

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

✓

✓ 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.

✓



✓ What is the output of the following code snippet? \* 1/1

```
List<Integer> list = new LinkedList<>(Arrays.asList(1, 2, 3, 4));  
list.add(0, 5);  
list.add(5, 6);  
System.out.println(list);
```

- ☒ a) [5, 1, 2, 3, 4, 6] ✓
- ☐ b) [1, 2, 3, 4, 5, 6]
- ☐ c) [5, 1, 2, 3, 4]
- ☐ d) IndexOutOfBoundsException

✓ 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.





✓ 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()



✓ 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.



✓ Which of the following is the most efficient collection type to use when frequent insertions and deletions occur at both ends of a list?

\*1/1

- ☐ a) ArrayList
- ☒ b) LinkedList
- ☐ c) Vector
- ☐ d) PriorityQueue



✗ What is the purpose of the WeakHashMap in Java? \*

0/1

- ☐ 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.

Correct answer

- ☒ a) To allow keys to be garbage-collected when no longer referenced.

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