

The Java™ Tutorials

Trail: Essential Classes
Lesson: Exceptions

Questions and Exercises

Questions

1. Is the following code legal?

```
try {  
  
    } finally {  
  
    }
```

2. What exception types can be caught by the following handler?

```
catch (Exception e) {  
  
    }
```

What is wrong with using this type of exception handler?

3. Is there anything wrong with the following exception handler as written? Will this code compile?

```
try {  
  
    } catch (Exception e) {  
  
    } catch (ArithmeticException a) {  
  
    }
```

4. Match each situation in the first list with an item in the second list.

- a. `int[] A;`
`A[0] = 0;`

b. The JVM starts running your program, but the JVM can't find the Java platform classes. (The Java platform classes reside in `classes.zip` or `rt.jar`.)

c. A program is reading a stream and reaches the end of stream marker.

d. Before closing the stream and after reaching the end of stream marker, a program tries to read the stream again.
1. `__error`

2. `__checked exception`

3. `__compile error`

4. `__no exception`

Exercises

1. Add a `readList` method to [ListOfNumbers.java](#). This method should read in `int` values from a file, print each value, and append them to the end of the vector. You should catch all appropriate errors. You will also need a text file containing numbers to read in.

2. Modify the following `cat` method so that it will compile.

```
public static void cat(File file) {  
    RandomAccessFile input = null;  
    String line = null;  
  
    try {
```

```
        input = new RandomAccessFile(file, "r");
        while ((line = input.readLine()) != null) {
            System.out.println(line);
        }
        return;
    } finally {
        if (input != null) {
            input.close();
        }
    }
}
```

[Check your answers.](#)

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