

Worksheet: Exception Handling

0. Define the terms *exception* and *exception handling*?

1. Copy-paste the following code into a new java file for a new IntelliJ project:

Java

```
import java.util.Scanner;
import java.io.File;

public class TestFileRead {

    public static void readSomeStuff() {
        Scanner scanner = new Scanner(new File("students.txt"));
        while (scanner.hasNext()) {
            System.out.println(scanner.nextLine());
        }
    }
    public static void main(String[] args) {
        readSomeStuff();
        System.out.println("After call to reading stuff");
    }
}
```

What happens when you try to run the code?

2. Describe two ways you can fix the issues in the code of (1)

3. What does the term “checked exception” mean? In Java, what exceptions are checked and unchecked?

4. What occurs after a “caught exception”? Does execution continue?

5. Java has the keyword “throw” and “throws”. How do you use each?