

- **Bad File Path**

- **Problem:** The path `../chapter11/src/chapter11/wordcount` may cause a `FileNotFoundException`.
- **Cause:** Relative paths depend on the IDE's working directory.
- **Fix:** Change the path to `path/to/your/file/wordcount.txt` and ensure the file exists.

- **Poor Naming Convention**

- **Problem:** The file doesn't follow Java's class naming convention.
- **Cause:** Lowercase names can cause confusion.
- **Fix:** Rename the file to `WordCount.java`.

- **FileNotFoundException Not Handled Gracefully**

- **Problem:** File paths may not be handled properly.
- **Cause:** Incorrect paths or missing files.
- **Fix:** Validate the file's existence and format.

- **Not Using Try-With-Resources**

- **Problem:** Manual resource closing can lead to issues if an exception occurs.
- **Cause:** The `Scanner` might not close properly.
- **Fix:** Use `try-with-resources` to auto-close resources.

- **Count Letters in Words Issues**

- **Problem:** `word.replaceAll("[^a-zA-Z]", "")` excludes non-English characters.
- **Cause:** Doesn't handle accented or special characters.
- **Fix:** Adjust the regex if needed.

- **Average Word Length Precision**

- **Problem:** Output may have excessive decimal places.
- **Cause:** Floating-point precision isn't user-friendly.
- **Fix:** Use `System.out.printf` to round to two decimal places.

- **Handling Empty Files**

- **Problem:** Empty files may cause division-by-zero errors.
- **Cause:** `wordCount == 0` leads to invalid calculations.
- **Fix:** Add a check to prevent division by zero.

- **Performance on Large Files**

- **Problem:** Word-by-word reading is slow for large files.
- **Cause:** Overhead from word-by-word processing.

- **Fix:** Use `BufferedReader` for better performance.