# Wordcount Tools in Java

## Introduction

This project is a simple Java-based Word Count tool that reads text from different file formats (.txt, .docx, .pdf) and outputs the total lines, words, and characters in the file. The tool saves the results in an output text file or folder where the content is and displays a summary of the word count in a popup dialog while running from IJ.

## Installation

1. Download and extract the **Wordcount Tools in Java** folder.
2. Ensure that you have **JDK 17 or higher** installed on your system.
3. If you're using IntelliJ IDEA:
   * Open the project directory in IntelliJ IDEA.
   * Build and run the project using the WordcountTools.jar file.
4. Optionally, you can run the project directly from IntelliJ IDEA by running the Main.java class.

## Running the Application

1. **Run from the .jar file**:
   * Double-click the **WordcountTools.jar** (First double click out folder secondly double click artifacts thirdly double click WordcountTools\_jar folder and lastly WordcountTools.jar) file.
   * A file dialog will appear, allowing you to select a file.
   * The application will calculate and display the total lines, words, and characters in the file.
   * The results will be saved in output.txt in the same directory as the selected file.
2. **Run from IntelliJ IDEA**:
   * Open the project in IntelliJ IDEA.
   * Right-click on Main.java and select **Run**.
   * The file chooser dialog will appear, allowing you to select a file.
   * The application will calculate the word count and save the results to same folder or file.

## Project Structure

The project folder contains the following directories and files:

* **src**: Contains source code files, including Main.java and WordCounter.java.
* **target**: Contains the generated output and WordcountTools.jar.
* **out**: Contains the built project output.
* **pom.xml**: The Maven configuration file for project dependencies.
* **WordcountTools.jar**: The compiled JAR file for the application.
* **README.md**: This file, providing details about the project.

**Accessing the Full Project via GitHub**

Because the LMS doesn’t accept ZIP uploads directly, I’ve published the complete project on GitHub. Please follow these steps:

1. Open your browser and navigate to:  
   <https://github.com/puru999/WordcountTools-in-Java_final>
2. Click the green **Code** button, then **Download ZIP**.
3. Unzip the downloaded folder on your computer.
4. Inside that folder, you’ll find:
   * **src**: Contains source code files, including Main.java and WordCounter.java.
   * **target**: Contains the generated output and WordcountTools.jar.
   * **out**: Contains the built project output.
   * **pom.xml**: The Maven configuration file for project dependencies.
   * **WordcountTools.jar**: The compiled JAR file for the application.
   * **README.md**: This file, providing details about the project.

**Follow the instructions in README.md to build and run the application.**