



# Lines of code estimator

Your task is to write a tool that can estimate the lines of code in a single source file. Given

an input file, you should print:

- Number of blank lines
- Number of lines with comments
- Number of lines with code
- Total number of lines in the file

Given this example file:

```
import java.util.*;

// file created on 1st Jan 2020
// author: @openenvoy

public class Main {

    // This is another comment line
    public static void main(String[] args) {
        System.out.println("Hello world!"); // code, not comment 11
    }
}
```

Your output will be:

- Blank: 3
- Comments: 3

- Code: 6
- Total: 12

### **Minimum requirements**

These features should be implemented and executing.

- Support one programming language syntax (eg: Java, C, JavaScript, etc).
- Support reading one source file and printing results.
- Types of lines you should support: Blank, Comments, Code.
- Support single-line comments (// in C-like languages).
- A line counts as a comment only if it has no other code.
- Design for extensibility: you should be able to support new language syntaxes by extending your solution.
- One passing test

### **Design for these features**

Not necessary to have running code for the following requirements, but account for these in your design.

- Supporting multiple syntaxes.
- Supporting multiple files and giving totals for an entire source tree.
- Supporting multi-line comments.
- Ability to add more granular breakup (eg: classify lines as imports, variable declarations, etc).