

# CSCI 323.25

## Project 0.1: Java Simple I/O

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Language: Java

Project Due date: 1/31/2023

```
Student: Gangjun Jiang
Submitting Project 0.1
1) Does your project compile? yes
2) Does your project execute? yes
3) Does your project produce correct results? yes
4) Did you write the code yourself? yes
5) Submission date and time: yes
```

Algorithm Step for this Implementation

- Step 0: inFile1 open from args[0] -> and outFile1 open from args[1]
- Step 1: processInt (inFile1, outFile1) // see below
- Step 2: close all files.

## Source Code:

```
import java.io.*;

class JiangG_Project01_Main {

    private static void processInt(BufferedReader inFile1, BufferedWriter outFile1)
    throws IOException {
        String line;
        int count = 0;
        int total = 0;
        outFile1.write("In processInt method :");
        outFile1.newLine();

        while ((line = inFile1.readLine()) != null) {
            String[] words = line.split(" ");
            for (int i = 0; i < words.length; i++) {
                outFile1.write(words[i] + " ");

                count++;
                if (count % 5 == 0) {
                    outFile1.newLine();
                    count = 0;
                }
                total ++;
            }
        }
    }
}
```

```

        outFile1.write("\nThe total string count is " + total );
    }
    public static void main(String[] args) {
        try {
            // Open the input text file
            File inFile1 = new File(args[0]);
            //File inFile1 = new
File("C:\\Users\\jjram\\IdeaProjects\\JiangG_Project01\\data1.txt");
            BufferedReader inFile = new BufferedReader(new FileReader(inFile1));
            // Open the output text file
            File outFile1 = new File(args[1]);
            //File outFile1 = new
File("C:\\Users\\jjram\\IdeaProjects\\JiangG_Project01\\outFile1.txt");
            BufferedWriter outFile = new BufferedWriter(new FileWriter(outFile1));

            processInt(inFile, outFile);

            inFile.close();
            outFile.close();

        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}

```

## Program Output

```

in processInt method:
91 322 8 12 702
999 14 133 415 23
213 724 825 127 226
29 91 538 91 91
361 730 637 213 213
388 4 73 91 95
213 322 16 702
The total string count is 34

```