



UUM

Universiti Utara Malaysia

**UNIVERSITI UTARA MALAYSIA
SECOND SEMESTER SESSION A242
STIWK 3014 REAL TIME PROGRAMMING
(GROUP A)**

Assignment 1

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Github Link:

https://github.com/Chong0508/RealTime_Assignment1.git

Source Code

```
package org.example;

import java.io.*;
import java.util.Scanner;

public class Assignment1 {

    public static void main(String[] args) {

        File folder = new
File("src/main/Exercise4/src/main/java/org/example");

        int javaFileCount = 0;

        int issuesCount = 0;

        File[] listOfFiles = folder.listFiles((dir, name) ->
name.endsWith(".java"));

        if(listOfFiles != null) {

            for(File file : listOfFiles) {

                javaFileCount++;

                issuesCount += countSolvedIssues(file);

            }

        }

        System.out.println("Number of Java Files = "+
javaFileCount);

        System.out.println("Number of Issues = "+ issuesCount);

    }

}
```

```
private static int countSolvedIssues(File file) {  
    int count = 0;  
    try {  
        Scanner scanner = new Scanner(file);  
        String line;  
  
        while (scanner.hasNextLine()) {  
            line = scanner.nextLine().toUpperCase();  
            if (line.contains("// SOLVED")) {  
                count++;  
            }  
        }  
  
        scanner.close();  
  
        } catch (FileNotFoundException e) {  
            System.out.println("File not found: " +  
file.getName());  
        }  
  
        return count;  
    }  
}
```

Output

```
"C:\Program Files\Java\jdk-21\bin\java.exe"
```

```
Number of Java Files = 8
```

```
Number of Issues = 8
```

```
Process finished with exit code 0
```