SCHOOL OF COMPUTING

UUM COLLEGE OF ARTS AND SCIENCES

(A242)

STIWK3014 REALTIME PROGRAMMING

Assignment 1 : INDIVIDUAL ASSIGNMENT

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Assignment 1 (Individual)

Instruction
You are required to develop a small system using Java programming language. The system should be able to:

1. Count number of java files in your directory/folder.
2. Count number of issues (solved problems) in the directory/folder.

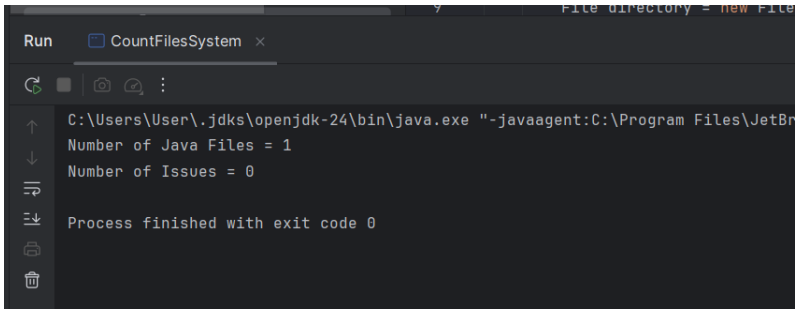
Example of the output is shown below:

Number of Java Files = 8
Number of Issues = 3

Coding :

```
package Assignment;

import java.io.File;

public class CountFilesSystem {

    public static void main(String[] args) {
        File directory = new
File("C:\\Users\\User\\IdeaProjects\\MyThreadsample2\\src\\main\\java\\Assi
gnment");
        if (!directory.exists() || !directory.isDirectory()) {
            System.out.println("Invalid directory.");
            return;
        }

        int javaFileCount = 0;
        int issueCount = 0;

        File[] files = directory.listFiles();
        if (files != null) {
            for (File file : files) {
                if (file.isFile() && file.getName().endsWith(".java")) {
                    javaFileCount++;
                }
                if (file.getName().toLowerCase().startsWith("issue")) {
                    issueCount++;
                }
            }
        }
        System.out.println("Number of Java Files = " + javaFileCount);
        System.out.println("Number of Issues = " + issueCount);
    }
}
```

Output :


Run
CountFilesSystem
C:\Users\User\.jdks\openjdk-24\bin\java.exe "-javaagent:C:\Program Files\JetBr
Number of Java Files = 1
Number of Issues = 0
Process finished with exit code 0