

Total Lines: 89

Total Classes: 1

Total Variables: 18

Total Methods: 6

Condition Statements: 12

Complexity: 13

Quality: 77

Program Flow

isVariableDeclaration

```
private boolean isVariableDeclaration(String line) {  
    String varPattern =  
        ".*\\b(int|float|double|String|char|boolean|long|short)\\b\\s*(=|;).*";  
    return line.matches(varPattern) && !line.contains("class") &&  
        !line.contains("(");  
}
```

computeComplexity

```
public int computeComplexity() {  
    return loopCount + conditionalCount;  
}
```

isMethodDeclaration

```
private boolean isMethodDeclaration(String line) {  
    String methodPattern =  
        ".*\\b(public|private|protected)?\\s*(static)?\\s*\\w+\\s*\\((.*)\\).*";  
    return line.matches(methodPattern) && line.contains("(") &&  
        line.contains(")");  
}
```

GLOBAL

```
import java.io.*;  
import java.util.*;  
import java.util.regex.*;
```