# Code Metrics Report

## Overview

This report provides an analysis of the provided Java code, measuring its size, structure, and commenting practices.

## Metrics Summary

|  |  |  |
| --- | --- | --- |
| Metric | Count | Description |
| LOC | 148 | Total number of lines, including blank lines and comments. |
| PLOC | 132 | Physical lines of code: lines containing actual code, excluding comments & blanks. |
| Comment Lines | 0 | Number of lines containing comments. |

## Detailed Observations

1. Lines of Code (LOC):  
 The total number of lines in the provided code is 148. This includes:  
 - Blank lines (used for readability)  
 - Lines of code (PLOC)  
 - Lines with comments (none in this case)

2. Physical Lines of Code (PLOC):  
 Of the 148 total lines, 132 lines contain actual code. This excludes any blank or purely comment lines.

3. Comments:  
 - Count: 0  
 There are no comments in the code, which means:  
 - No inline documentation or explanations of logic.  
 - This might reduce code readability and maintainability for future developers.

## Recommendations

1. Improve Commenting:  
 Adding comments to explain critical sections of the code will improve maintainability and help other developers understand the logic more quickly.

2. Documentation Standards:  
 Consider adopting JavaDoc for documenting classes, methods, and interfaces to provide a structured and standardized form of in-code documentation.

## Conclusion

The code demonstrates good structure with clear separation of responsibilities across classes and interfaces. However, the absence of comments could hinder its readability and maintainability.