Abstract

This research paper presents the comparative study of various object-oriented software metrics and their application on C Sharp and Java language. A set of eleven well-established object-oriented metrics are applied on twenty C Sharp and Java programs to measure and compare the important features such as complexity, testability, and maintainability of both languages. This analysis shows that C# is a modern and powerful language which is fully object-oriented as compared to Java. The primary objective of this study is to investigate the applicability of Object-Oriented software metrics to measure the complexity of a Java and C Sharp software applications.

References


**Index Terms**

Computer Science  
Software Engineering

**Keywords**

C Sharp  Java  Object-Oriented Software Development  Software Metric