Abstract

It is difficult to understand, let alone improve the quality of software without the knowledge of its software development process and software product. There must be some measurement process to predict the software development, and to evaluate software products. This paper provides a brief view on Software Quality, Software Metrics and Software Metrics methods that will predict and measure the specified quality factors of software. It further discusses about the Quality as given by the standards such as ISO, principal elements required for the Software Quality and Software Metrics as the measurement technique to predict the Software Quality. This paper was performed by evaluating a source code developed in Java, using Software Metrics, such as Size Metrics, Complexity Metrics, and Defect Metrics. Results show that, the quality of software can be analyzed, studied and improved by the usage of software metrics.
Usability and Evaluation of Software Quality using Software Metrics

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Index Terms

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