Abstract

This paper presents detailed comparisons and analysis of shift-based exact string matching algorithms. The paper proposes comparison among these algorithms on the basis of execution time taken by the algorithms to completely match a given pattern on a given text. The algorithms have been analyzed on the following parameters: length of pattern, length of text, and number of characters in the text. This study will help in selecting the appropriate algorithm to be used in solving a particular real-life problem.

References

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Index Terms

Computer Science  Algorithms

Keywords

String Matching, Exact String Matching, Shifting Based, Execution Time, Performance Analysis.