Abstract

Information retrieval is very important area in any of the IT applications. Systematic data storage is essential in information retrieval. In conventional method, data is stored in a structured format and retrieved using SQL queries which requires technical knowledge. There is a necessity to retrieve the data using natural language. A hybrid system to query and retrieve the data from the database using natural language is implemented. It is a combination of keyword based and semantic analysis methods. M-way B-tree is used to store the keywords which act as knowledge base. Analysis shows that using B-tree is found to be faster and superior in retrieving information.

References

queries for relational databases”, Selforganizology, 2016
dependencies manual” September 2008.
22. Valentin Ilyich Spitkovsky, “Grammar Induction And Parsing With
Dependency-And-Boundary Models”, December 2013

Index Terms

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