Abstract

One of the most critical functional requirements of a DBMS is its ability to process queries in a timely manner. This is particularly true for very large, applications such as weather forecasting, banking systems and aeronautical applications, which can contain millions and even trillions of records. The need for faster and faster, and immediate results never ceases. Thus, a great deal of research and resources is required on creating smarter, highly efficient query optimization techniques. Some of the basic techniques of query processing and optimization have been presented in this paper. This paper highlights the basic concepts of query processing and query optimization in the relational database domain. The results of the experiment presented have been verified using Query Analyzer.

References

- Clay Lua, 15 ways to Optimize your Queries, [hungred.com/useful-information/ways-optimize-sql-queries].

**Index Terms**

Computer Science  
Databases

**Keywords**

Optimization  
Query Processing  
Query Analyzer  
Query Metrics  
Tuples  
Cardinality