Abstract

The main objective of query processor is to generate the most efficient query results. Using an apt execution plan, query minimizes cost of execution for results. The order of accessing a source table is very important during query execution. The best execution plan from possible ones is presented by Query optimizer. The paper discusses various stages of query optimization using execution plan. It gives the analysis of indexes, type of expressions & joins used in the execution plan of the query. The approach gets the estimate of the cost of query joins in a query at compile time. These estimates help in the construction of a query plan at compile time and then executed at run-time.
Reducing Run-time Execution in Query Optimization

- C. Mohrm, D. Haderle, Y. Wang, and J. Cheng, &quot;Single Table Access Using Multiple Indexes: Optimization, Execution and Concurrency Control Techniques&quot;, Lecture Notes in Comp. Sci. 416 (March 1990), 29, Springer Verlag,
- T. Sellis, &quot;Multiple query optimization&quot;, IEEE transactions on knowledge and data Engineering , Vol-2, June-1990
Index Terms

Computer Science

Query Processing

Keywords

Execution plan  query optimization  compile time  run time  joins.