A MYSQL QUERY ANALYZER TO MONITOR AND IMPROVE QUERY PERFORMANCE

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ABSTRACT

This project is to study about analyze query performance and also develop a tool to analyze of query performance. This query analyzer is intended to be used on MYSQL database.

This query analyzer is an independent software application that uses to analyze efficiency of query code which will be executed on MYSQL database. At the beginning user is required to input database connection name and query file which wish to analyze, then after that user just need to press analyze button and wait for the results. The way that query analyzer analyze will be based on press criteria like execution time, data size, total run time, and etc. and the analyze result will be shown in a graphical way like chart or diagram, so that user able to find abnormal or problematic results easily. This query analyzer will also point out the problematic query code which causes performance degradation on database. And there is one more extra function; this query analyzer will give hints on how to tweak/improve particular problematic code of possible.

This query analyzer will be able to assists software/web developer to ensure the query code that they use on their developed web/system sill not slow down the performance of whole web/system. Database administrator also can use this query analyzer to tweak the performance of their database with lower cost and easier way.