Abstract

Data Mapper is a programming technique that bridge between the concept of data types in relational data base with the concept of data types in object-oriented programming environment. Data Mapper help the application developers using object-oriented programming, can be more thinking about object than tables and columns . Data Mapper will help developers to perform operations create, read, update and Delete (CRUD) in relational databases.

Data Mapper is implemented in a framework that is implemented at persistent layer, which is the layer related to the data base. Data mapper framework task here is to get data from the database and then mapped to an object, as well as restore the object - the object to a relational database. There are few data mapper framework, one of them is iBATIS.

In this final task is the implementation of the iBATIS, then performed the analysis using iBATIS with benefits, in addition to compare performance with the execution process parameters CRUD process time between the use of iBATIS and JDBC-code handed as a reference.

The results of this final task to implement iBATIS show, there will be a convenience in doing retrieval and storage of data in the database. In general, performance on the persistent layer iBATIS in doing CRUD operations relatively better when compared to hand-code using JDBC.

Keywords: CRUD, iBATIS, hand-coded JDBC, persistent layer, framework .