ABSTRACT

There are so many RDBMS (Rational DataBase Management System) product that enable user to choose and use them, indeed as their needs. These products have difference characteristics with their advantage or weakness. One of the differences is procedural language that is used.

This differences will be the reason why the translator system is built. The system will translate one procedural language to another. That is, from PL/SQL in Oracle to T-SQL in Microsoft SQL Server. With hope, by using this tool, user will learn and compare both various procedural language easily.

This translator can handle all elements of PL/SQL (except element which don't have comparison in T-SQL), datatype, built-in function, DML (Data Manipulation Language) and Transaction Control. In the other side, this system can't handle semantic analysis of PL/SQL, with restriction, input language should be free from comment and also using limitation of nested function or procedure not more than two. In testing concern, both language will be tested in both of RDBMS by using SQLPlus at Oracle and SQL Query Analyzer at Microsoft SQL Server manually. From this testing, we will know the valid syntax and semantic analysis for both of language.

Keyword : RDBMS, PL/SQL, T-SQL, translator