MAURIS

Project Part II Report

Mert Armağan Sarı

Numan Mertcan Cankara

Taner Baygün

At the begining phase of the project, we were confused because we did not know what do we have to do exactly. We started to use completely different tools called Lex and Yacc. Since it was our first time using these programs, we had so much troubles. First of all, we could not manage to run lexer although we wrote out lexer file. In our group, there are two people who is using Windows operating system and one person who is using Macintosh operating system. We realize that some of commands were different in these two OS's. We decided that using Macintosh is going to be easier than the other one. After we learned how to use corresponding commands in lexer. But after that, we have much more bigger problems. Our code was giving us too many errors without saying anything.

As we said, at the beginning part of the project, we did not know what is expected from us. We tried to code so many hours to seperate our input to tokens. Then we realize that we actually did to some of the parsing part in first part of the project. Then we fix that problem in second part. Since we wrote context-free grammar of graph and query language in first part of the project by using a regular expression, it was easy to convert it to context-free grammar.

After we completed parsing, again we have a serious problems about how to compile a parser.y file. Then we learned that we have to write "yacc –d parser.y" instead of "yacc parser.y". First command creates a y.tab.h file that must be included in our lexer file. After learning this, things were became much easier. All we have to do was just trying an input and fixing errors if we face it.

Another problem is to understand how makefile is generated and how to use it properly. We create our makefile accourding to our text file that contains specific sample programs. And also our lex, yacc and g++ commands.