EASY PARSER PROJECT

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Introduction: The project is about implementation of Easy-Parser. Existing tools for parsing such as lex and yacc make the process of parsing complicated. Hence, the goal of this project is to focus on the problem of lexical analysis which includes identifying a token and then generating a code needed to be executed by creating own tool used for parsing.

The project consists of many sections. We will convert the input file given to the compiler into an array of tokens. Each word from a valid statement in the input program file will be treated as a single token. After collection of tokens, we will separate all tokens individually into categories. We will clean-up spaces and comments from code. Then, will identify and verify the tokens from list of standard tokens dictionary using pattern matching process. We need to check the syntax of the input file and generate error accordingly. Parenthesis will be handled by stack balance method.

We will be implementing our project using C++, as our group is comfortable with it the most. We have divided our tasks too, among ourselves.

There are tasks which are independent of each other and some which are dependent on other tasks.

ALGORITHM: