Compiler Design
Mini Project - 2012

ParserPack

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Objective :-

Write a 'ParserPack' which can parse any statement and differentiate the ambiguity arising in the grammars. It shold report all the ambiguous case properly

There are two files required for the program .

1st is project.l and 2nd is project.y .

The use of lex file is to read the input from the input file and tokenize the inputs. The keywords detected and tokenized by the lex file are as :

NOUN PRONOUN VERB ADVERB ADJECTIVE PREPOSITION CONJUNCTION ARTICLE FS

The Yacc file has the grammar for the English language. It checks for various errors. It recieves the tokens from the lex file and then tries to match the patterns with the grammar written in it . The yacc file reads the input from the input file provided at command line and can also take input from GUI written in OpenGL.

The Errors detected by Our mini compiler are simple English grammar errors and word not recognized from the database error.

To run the project from command line :

1. *lex project.l*
2. *yacc -d project.y*
3. *cc y.tab.c lex.yy.c -o main*
4. *./main filename*

To run project through GUI :

1. *lex project.l*
2. *yacc -d project.y*
3. *cc y.tab.c lex.yy.c -o main*
4. *gcc -lglut -lGL cod_ui.c -o ui*
5. *./ui*