Lex & Yacc – documentation

A. Lex file

1.Definitions

Text

Description automatically generated

2.Rules

Text

Description automatically generated with medium confidence

3.User subroutinesText

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

After running the lex specification file using the following command:

lex scanner.lxi

lexical errors should be generated.

B. Yacc file

By using the following commands:

yacc -d parser.y  
  
cc lex.yy.c y.tab.c -o rezultat  
  
./rezultat<p1.txt  
./rezultat<p2.txt  
./rezultat<p3.txt  
./rezultat<p1err.txt

a parser was generated which could parse the files which obey to the specifications mentioned in the lex si yacc files.

When running the examples, the following outputs are generated in the first 3 examples:



and in the case of the third program I have a syntax error:

Text

Description automatically generated with low confidence