Assignment 3

CS 348 Introduction to Programming Languages Laboratory

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Lexical Analyzer for PASCAL

Environment used to run the program:
`gcc version 9.3.0 (Ubuntu 9.3.0-17ubuntu1~20.04)`

Installation:
`sudo apt-get install bison flex`

Command to compile and run:
`./run.sh`

OR

```
lex 180101057.l
g++ lex.yy.c
./a.out < input.pas
```

File description

1. `180101057.l` : Contains the lex specification for tokens of PASCAL.
2. `pascal.h` : Contains global variables and function definitions.
3. `pascal.cpp` : Contains implementation of functions declared in pascal.h.
4. `hash_table.cpp` : Contains c++ implemention of hash table to store string values.
5. `lex.yy.c` : Auto-generated by lex. Contains lex code converted to C code.
6. `input.txt` : Contains sample PASCAL program.
7. `lex_output.txt` : Contains object code for corresponding operations
8. `id_table.txt` : Contains values stored in id_table upon completion of program.
9. `int_table.txt` : Contains values stored in int_table upon completion of program.