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Github Link: <git@github.com:AmaniUsagi/Lexical-Analyser-.git>

I used CodeBlocks and VS Code for the work

Requires to instal GCC MinGW

Installed FLEX

Explanation of the work

* The lexical analyser has phrases broken down into tokens
* The scanner identifies tokens based on the defined rules in the source code.
* The classification of tokens is done after file is read
* The classification is in groups i.e.
  + Predefined and reserved words grouped as ***Keywords*** in C
  + Identifiers
  + Operators
  + Integers
* The phrases passed in the programs are assigned to their suitable role i.e. ***a = b \* 5***

|  |  |
| --- | --- |
| a | Identifier |
| = | Operator |
| b | Identifier |
| \* | Operator |
| 5 | Integer |