Compiler Design Lab (CS306L)

Week-2

In the given symbol Table program, I took an expression by this I define the tokens in the given one

and every token is compared and classified as the following way given in the example below

Ex: I took 'a' is identifier, any digit as constant, = as operator and <= and many as relational operator

I took the expression and declared character array which I defined size of 50 and I took integer data type

Output:-

```
 "E:\YGoutham\Handlid string functions without using library functions\Untitled5.exe"

Enter Expression (terminated by $):a=5+b*c$
Given Expression:a=5+b*c
Lexxems  Address          Type
a        000000000061FDA0          Identifier
=        000000000061FDA1          Operator
5        000000000061FDA2          Constant
+        000000000061FDA3          Operator
b        000000000061FDA4          Identifier
*        000000000061FDA5          Operator
c        000000000061FDA6          Identifier

Process returned 0 (0x0)   execution time : 20.998 s
Press any key to continue.
```

→Therefore they are divided into address and type of the given ones

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CSE A