Cycle 2

Malavika R Vikraman

CS7B – Roll No :31

Question 1

Design and implement a lexical analyzer for given language using C and the lexical analyzer should ignore redundant spaces, tabs and newlines.

Input :

```
Pg1 >  ≣ Program
  1    void main()
  2    {
  3        int a = 5;
  4        int b = 10;
  5        int c = a + b;
  6    }
```

Output :

```
C:\Users\malav\OneDrive\Documents\CDLab\Cycle2\Pg1>gcc lexanalyzer.c

C:\Users\malav\OneDrive\Documents\CDLab\Cycle2\Pg1>a
void is keyword
main is identifier
int is keyword
a is identifier
a is identifier
= is operator
int is keyword
a is identifier
= is operator
5 is identifier
int is keyword
b is identifier
= is operator
10 is identifier
int is keyword
c is identifier
= is operator
a is identifier
+ is operator
b is identifier
```