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13. Write a C program for implementing a Lexical Analyzer to Count the number of characters,
words, and lines
#include <stdio.h>
#include <stdlib.h>
#define MAX_SIZE 1000
int main() {
  char text[MAX_SIZE];
  int characters = 0, words = 0, lines = 0;
  int inWord = 0;
  printf("Enter text (press Ctrl + D to end input):\n");
  while (fgets(text, MAX_SIZE, stdin) != NULL) {
    for (int i = 0; text[i] != '\0'; i++) {
      characters++;
       if (text[i] == '\n')
         lines++;
      if (text[i] == ' ' || text[i] == '\t' || text[i] == '\n')
         inWord = 0;
      else if (inWord == 0) {
         inWord = 1;
         words++;
      }
    }
  }
```