Lab Program - 5

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Design a lexical Analyzer to find the number of whitespaces and newline characters using C.

**Code:**

#include <stdio.h>

int main() {

char ch;

int whitespaceCount = 0, newlineCount = 0;

printf("Enter text:\n");

while ((ch = getchar()) != EOF) {

if (ch == ' ' || ch == '\t') {

whitespaceCount++;

} else if (ch == '\n') {

newlineCount++;

}

}

printf("Number of whitespaces: %d\n", whitespaceCount);

printf("Number of newline characters: %d\n", newlineCount);

return 0;

}

**Screenshot for I/O:**

