Expno.3

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Design a lexical Analyzer to find the number of whitespaces and newline characters
#include<stdio.h>
#include <stdio.h>
#include <string.h>
int main() {
 char str[1000];
 printf("Enter a string: ");
 fgets(str, 1000, stdin);
 int whitespaces = 0;
 int newlines = 0;
 int len = strlen(str);
 for (int i = 0; i < len; i++) {
  if (str[i] == ' ') {
   whitespaces++;
  } else if (str[i] == '\n') {
   newlines++;
  }
 }
 printf("Number of whitespaces: %d\n", whitespaces);
 printf("Number of newline characters: %d\n", newlines);
 return 0;
}
#include <stdio.h>
#include <string.h>
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 char str[1000];
 printf("Enter a string: ");
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 printf("Number of whitespaces: %d\n", whitespaces);
 printf("Number of newline characters: %d\n", newlines);
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#include <stdio.h>
#include <string.h>
int main() {
 char str[1000];
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int newlines = 0;
 int len = strlen(str);
 for (int i = 0; i < len; i++) {
  if (str[i] == ' ') {
   whitespaces++;
  } else if (str[i] == '\n') {
   newlines++;
  }
}
 printf("Number of whitespaces: %d\n", whitespaces);
 printf("Number of newline characters: %d\n", newlines);
 return 0;
}
```