**24. Count the Number of Vowels**

**Aim:**To design a LEX program that scans an input sentence and counts the number of vowels (both uppercase and lowercase).

**Code:**

%{

#include <stdio.h>

int vowel\_count = 0;

%}

%%

[aeiouAEIOU] { vowel\_count++; }

.|\n { /\* Ignore other characters \*/ }

%%

int main() {

yylex();

printf("Total number of vowels: %d\n", vowel\_count);

return 0;

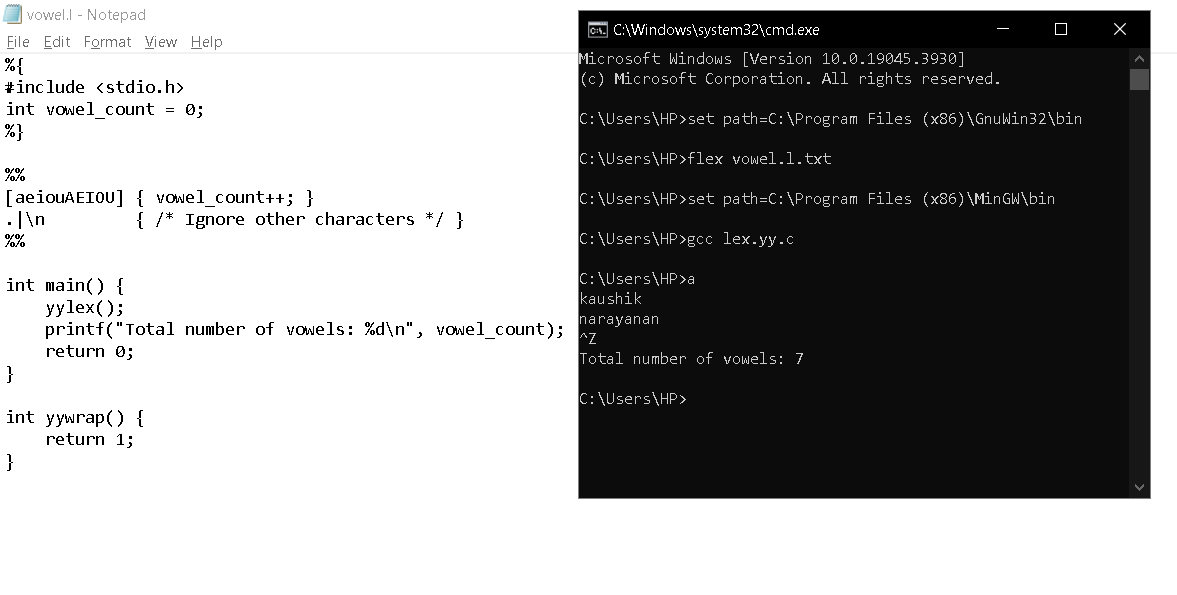
}

int yywrap() {

return 1;

}

**Ouput:**

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