#include <stdio.h>

int main() {

char line[150];

int vowels, consonant, digit, space,words;

vowels = consonant = digit = space = words=0;

printf("Enter a line of string: ");

fgets(line, sizeof(line), stdin);

for (int i = 0; line[i] != '\0'; ++i) {

line[i] = tolower(line[i]);

if (line[i] == 'a' || line[i] == 'e' || line[i] == 'i' ||

line[i] == 'o' || line[i] == 'u') {

++vowels;

}

else if ((line[i] >= 'a' && line[i] <= 'z')) {

++consonant;

}

else if (line[i] >= '0' && line[i] <= '9') {

++digit;

}

else if (line[i] == ' ') {

++space;

}

}

printf("Vowels: %d", vowels);

printf("\nConsonants: %d", consonant);

printf("\nDigits: %d", digit);

printf("\nWhite spaces: %d", space);

printf("\nWords: %d", space+1);

return 0;

}