DIGITAL ASSIGNMENT 2

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1. Write a c program to find the number of words, vowels, consonants, space and special characters in a string

INPUT:

\*Nothing is impossible in this world.

OUTPUT:

Words = 6

Vowels = 10

Consonants = 20Space = 5

Special Characters = 2

CODE:

#include <stdio.h>

int main() {

char str[1000];

int w = 0, v = 0, c = 0, spaces = 0, sc = 0;

int i;

printf("Enter a string: ");

fgets(str, sizeof(str), stdin);

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

if (isalpha(str[i])) {

if (tolower(str[i]) == 'a' || tolower(str[i]) == 'e' || tolower(str[i]) == 'i' || tolower(str[i]) == 'o' || tolower(str[i]) == 'u') {

v++;

} else {

c++;

}

} else if (isspace(str[i])) {

w++;

s++;

} else {

sc ++;

}

}

w++;

printf("Words = %d\n", w);

printf("Vowels = %d\n", v);

printf("Consonants = %d\n", c);

printf("Space = %d\n", s);

printf("Special Characters = %d\n",sc);

return 0;

}