#include <stdio.h>

int main()

{

int a,i, v = 0, c = 0, d = 0, w = 0;

char ch[1000];

printf ("Enter the String Length: ");

scanf("%d", &a);

printf ("Enter your String\n");

for(i = 0; i < a; i++)

{

scanf("%c", &ch[i]);

}

for(i = 0; i < a; i++)

{

if(ch[i] == 'A' || ch[i] == 'E' || ch[i] == 'I' || ch[i] == 'O' ||

ch[i] == 'U' || ch[i] == 'a' || ch[i] == 'e' || ch[i] == 'i' ||

ch[i] == 'o' || ch[i] == 'u')

{

v++;

}

else if((ch[i] >= 'A' && ch[i] <= 'Z') || (ch[i] >= 'a' && ch[i] <= 'z'))

{

c++;

}

else if (ch[i] >= '0' || ch[i] >= '9')

{

d++;

}

if (ch[i] == ' ' || ch[i] == '/0')

{

w++;

}

}

printf("There are %d Vowels in this String\n", v);

printf("There are %d Consonant in this String\n", c);

printf("There are %d digits in this String\n", d);

printf("There are %d words in this String\n", w+1);

return0;

}