#include<stdio.h>

#include<string.h>

int main()

{

char str[100];

int vowels=0,consonants=0,i;

char \*ptr;

printf("Enter a string: ");

gets(str);

ptr=str;

for(i=0;\*(ptr+i)!='\0';i++)

{

if(\*(ptr+i)=='a' || \*(ptr+i)=='e' || \*(ptr+i)=='i' || \*(ptr+i)=='o' || \*(ptr+i)=='u' || \*(ptr+i)=='A' || \*(ptr+i)=='E' || \*(ptr+i)=='I' || \*(ptr+i)=='O' || \*(ptr+i)=='U')

{

vowels++;

}

else if((\*(ptr+i)>='a' && \*(ptr+i)<='z') || (\*(ptr+i)>='A' && \*(ptr+i)<='Z'))

{

consonants++;

}

}

printf("Number of vowels: %d\n",vowels);

printf("Number of consonants: %d\n",consonants);

return 0;

}

OUTPUT:

1.Sample:

Enter a string: string

Number of vowels: 1

Number of consonants: 5

2.

Enter a string: HYPOTHECATION

Number of vowels: 5

Number of consonants: 8

3.

Enter a string: MATRICULATION

Number of vowels: 6

Number of consonants: 7

4.

Enter a string: MANIPULATION

Number of vowels: 6

Number of consonants: 6

5.

Enter a string: SEDIMENTATION

SEDIMENTATION

Number of vowels: 6

Number of consonants: 7

6.

Enter a string: EXPERIMENTATION

Number of vowels: 7

Number of consonants: 8