**Find the Number of Vowels,Consonants,Digit and White space in a string.**

**#include<iostream>**

**#include<string>**

**#include<stdio.h>**

**using namespace std;**

**main()**

**{**

**int i,Vowel=0,Consonant=0,Digit=0,Space=0;**

**char line[100];**

**cout<<"enter the string line: ";**

**gets(line);**

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

**{**

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

**line[i]=='o' || line[i]=='u' || line[i]=='A' ||**

**line[i]=='E' || line[i]=='I' || line[i]=='O' ||**

**line[i]=='U')**

**{**

**++Vowel;**

**}**

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

**{**

**++Consonant;**

**}**

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

**{**

**++Digit;**

**}**

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

**{**

**++Space;**

**}**

**}**

**cout<<"vowels: "<<Vowel<<endl;**

**cout<<"digit: "<<Digit<<endl;**

**cout<<"consonant: "<<Consonant<<endl;**

**cout<<"space: "<<Space<<endl;**

**}**