

# Solution Code



```
/* C Program to Count Number of Vowels in a string */
```

```
#include<stdio.h>
```

```
int main(){
```

```
    char line[150];
```

```
    int i,v,c,ch,d,s,o;
```

```
    o=v=c=ch=d=s=0;
```

```
    printf("\nEnter any String :: ");
```

```
    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')
```

```
            ++v;
```

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

```
            ++c;
```

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

```
            ++d;
```

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

```
            ++s;
```

```
    }
```

```
    printf("\nNumber of Vowels :: [ %d ]\n",v);
```

```
    printf("\nNumber of Consonants :: [ %d ]\n",c);
```

```
    printf("\nNumber of Digits :: [ %d ]\n",d);
```

```
    printf("\nNumber of White spaces :: [ %d ]\n",s);
```

```
    return 0;
```

```
}
```