Problem id: 11530

#include<stdio.h>

#include<string.h>

int main(){

char ch[110];

int i,j,T,len,count;

scanf("%d",&T);

for(j=0;j<=T;j++){

gets(ch);

len= strlen(ch);

count=0;

for (i=0;i<len;i++){

if (ch[i]=='a'|| ch[i]=='d'|| ch[i]=='g'||ch[i]=='j'||ch[i]=='m'||ch[i]=='p'||ch[i]=='t'||ch[i]=='w'||ch[i]==' '){

count+=1;

}

else if (ch[i]=='b'||ch[i]=='e'||ch[i]=='h'||ch[i]=='k'||ch[i]=='n'||ch[i]=='q'||ch[i]=='u'||ch[i]=='x'){

count+=2;

}

else if (ch[i]=='c'||ch[i]=='f'||ch[i]=='i'||ch[i]=='l'||ch[i]=='o'||ch[i]=='r'||ch[i]=='v'||ch[i]=='y'){

count+=3;

}

else if (ch[i]=='s'||ch[i]=='z') count+=4;

}

if(j!=0) printf("Case #%d: %d\n",j,count);

}

return 0;

}