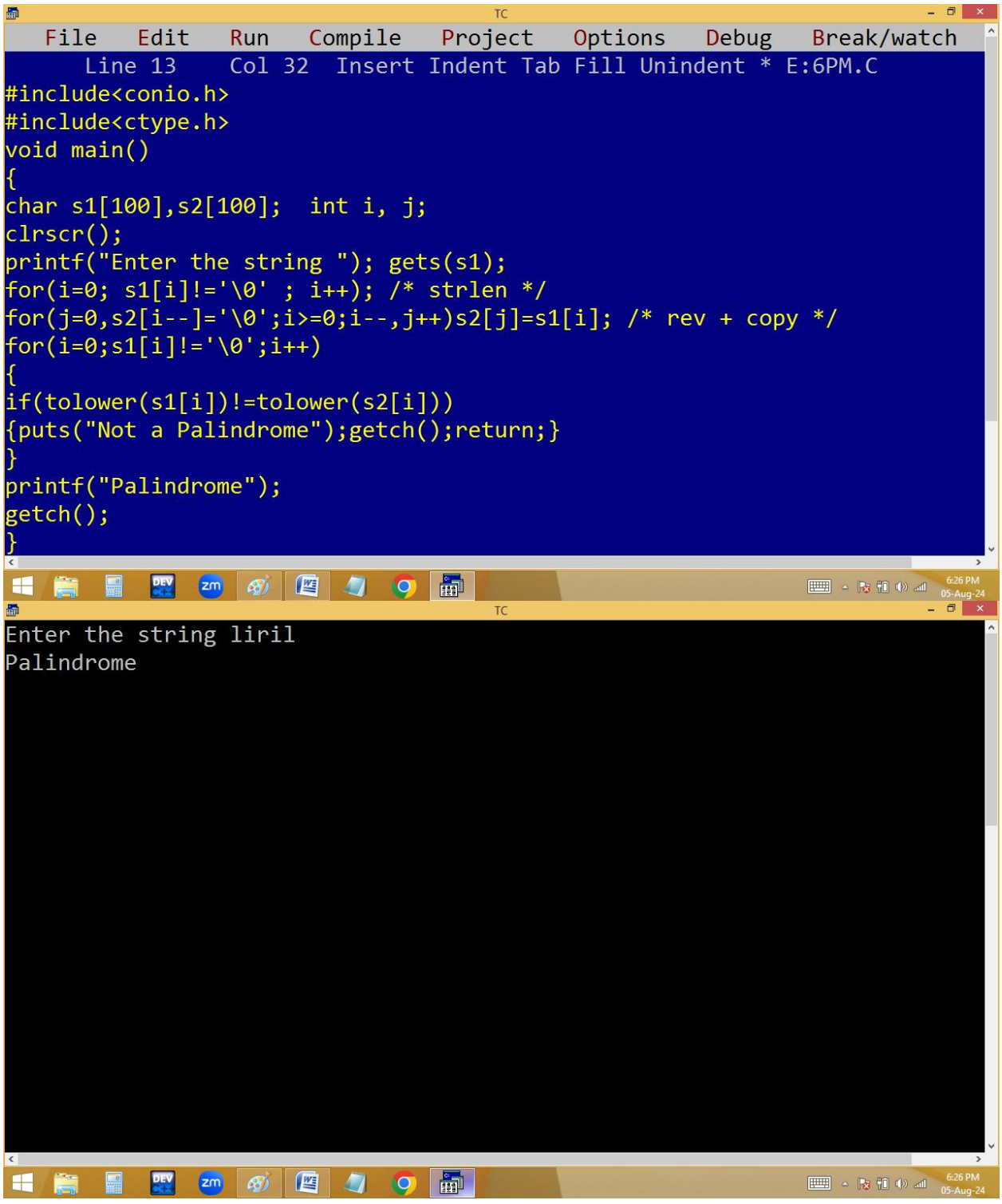
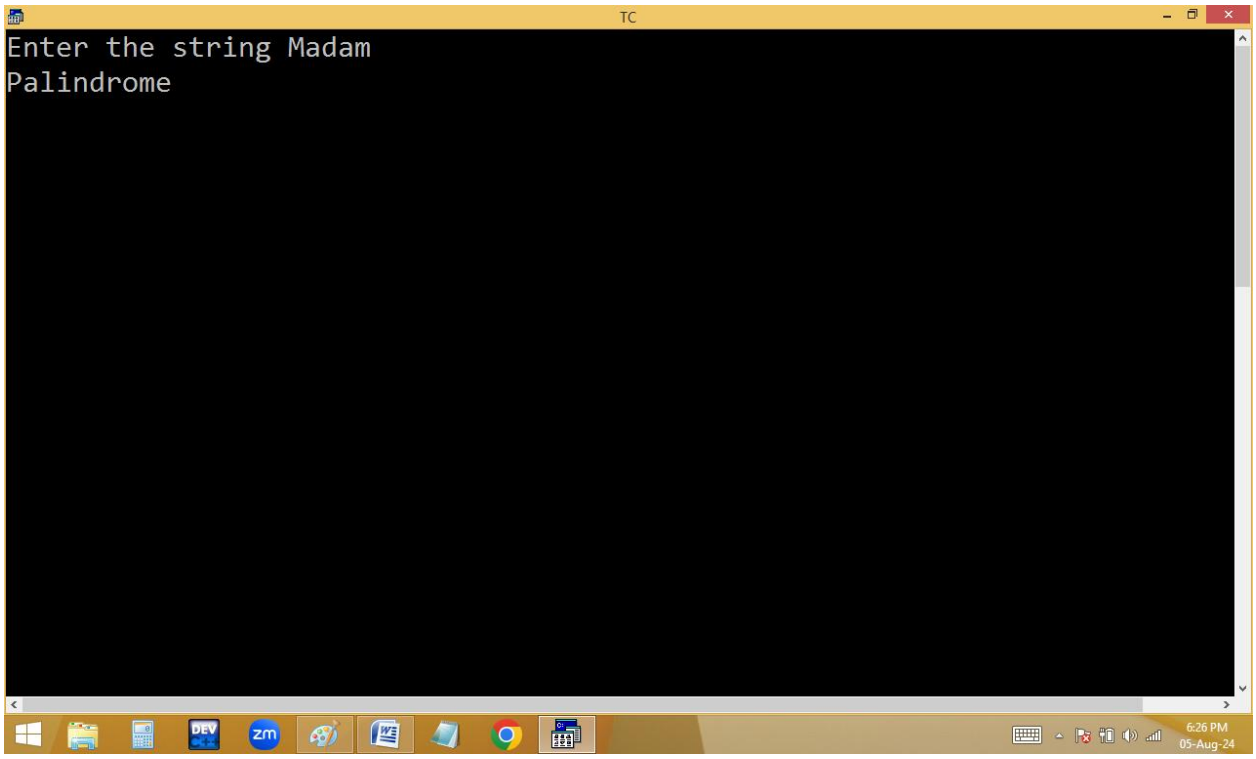
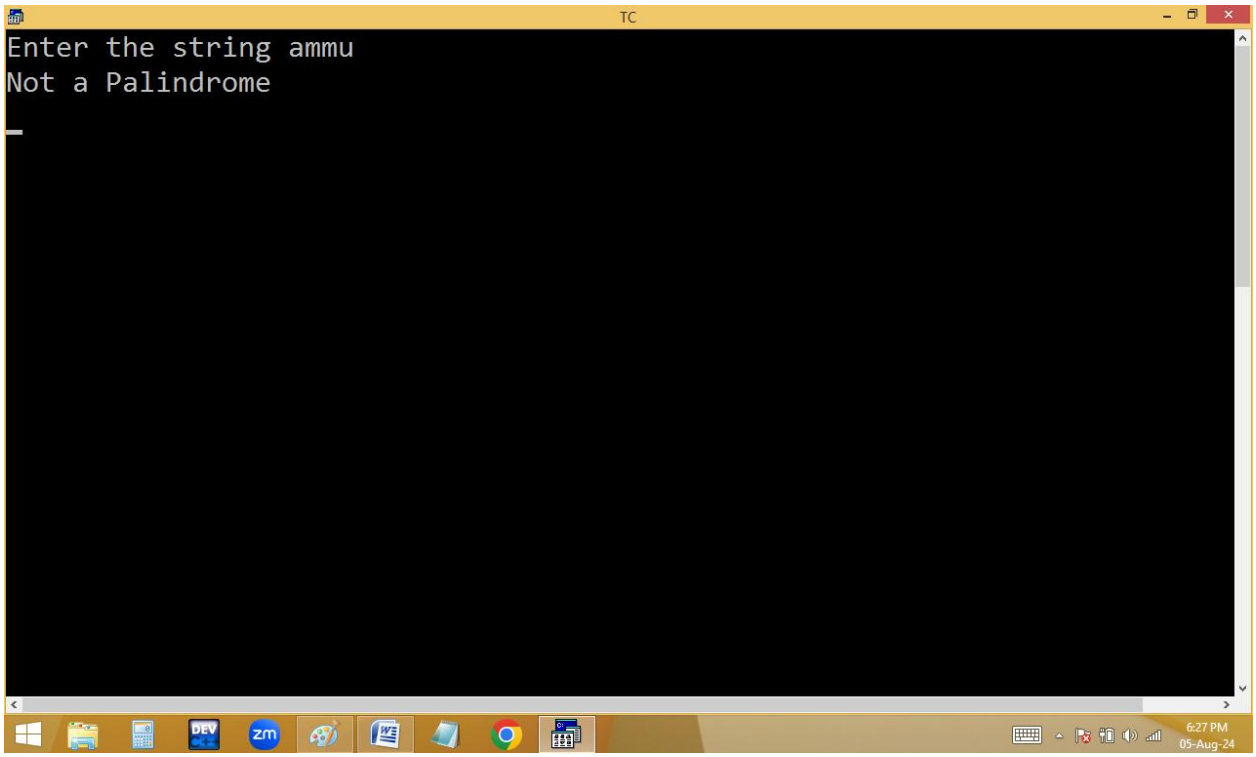
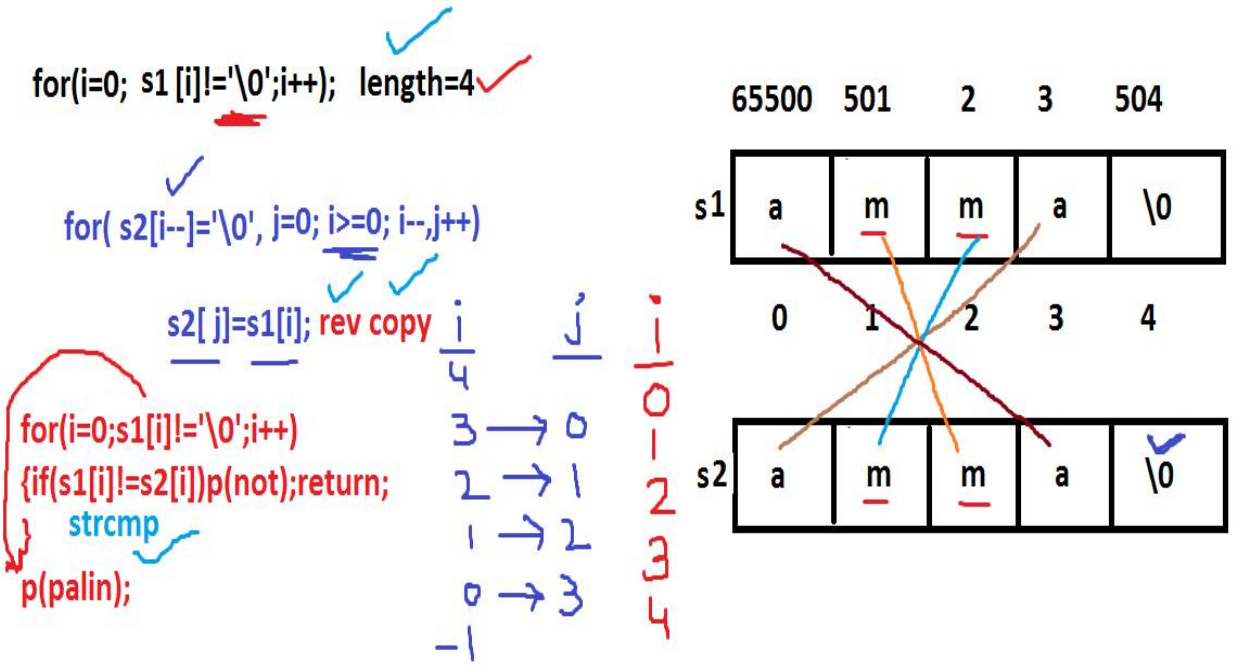

TC
File Edit Run Compile Project Options Debug Break/watch
Line 13 Col 32 Insert Indent Tab Fill Unindent * E:6PM.C
#include<conio.h>
#include<ctype.h>
void main()
{
char s1[100],s2[100]; int i, j;
clrscr();
printf("Enter the string "); gets(s1);
for(i=0; s1[i]!='\0' ; i++); /* strlen */
for(j=0,s2[i--]='\0';i>=0;i--,j++)s2[j]=s1[i]; /* rev + copy */
for(i=0;s1[i]!='\0';i++)
{
if(tolower(s1[i])!=tolower(s2[i]))
{puts("Not a Palindrome");getch();return;}
}
printf("Palindrome");
getch();
}
TC
Enter the string liril
Palindrome

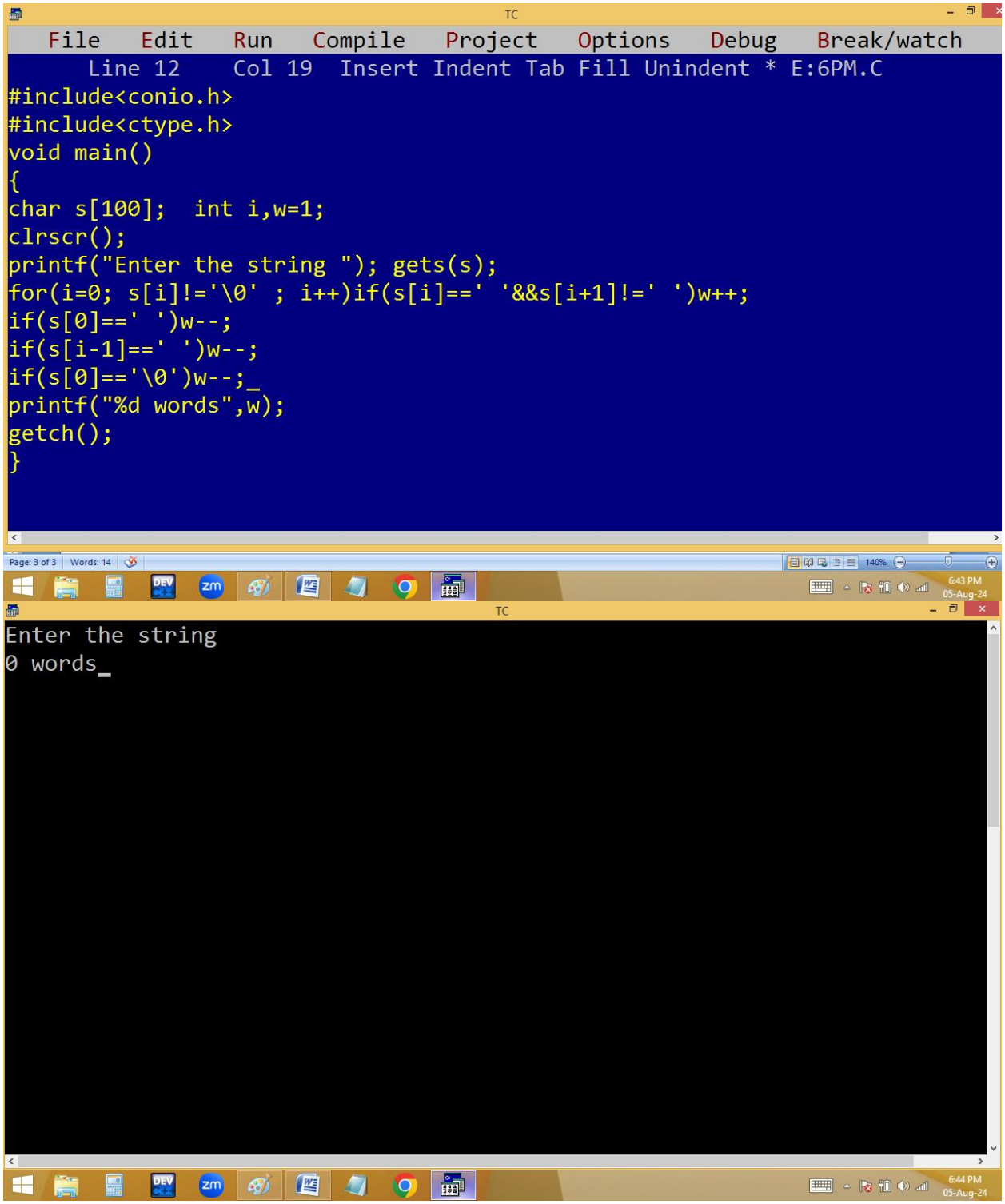

TC
Enter the string Madam
Palindrome
6:26 PM
05-Aug-24

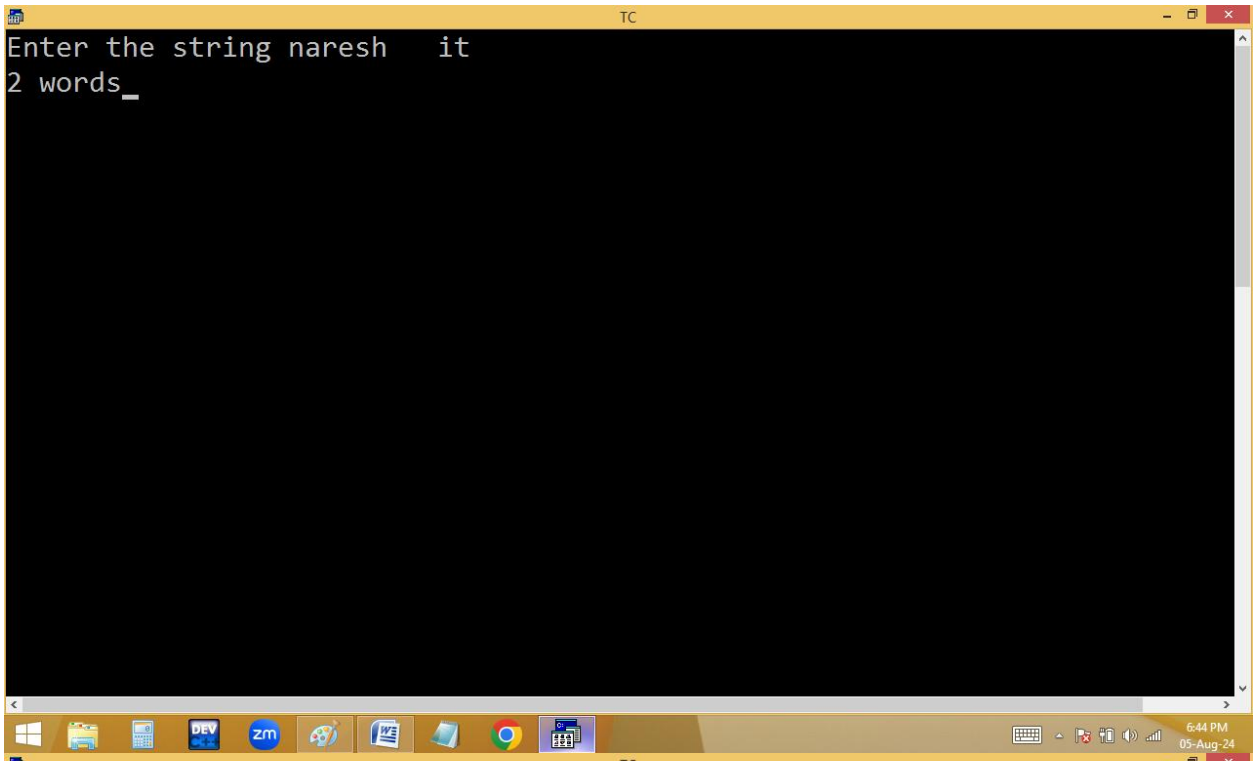




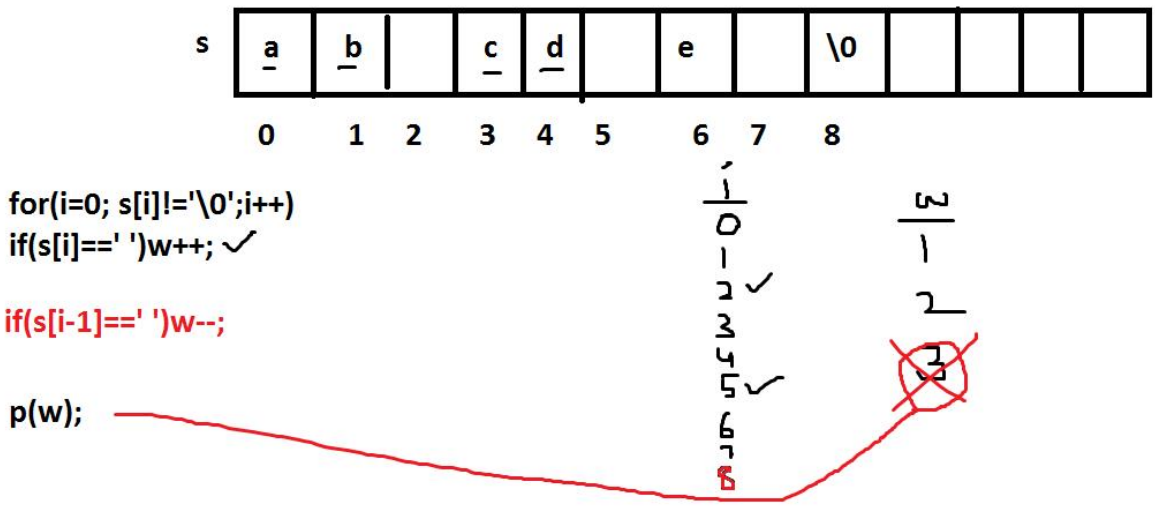
Finding no of words in given string:

Jaanu I miss you ➔ 4 words

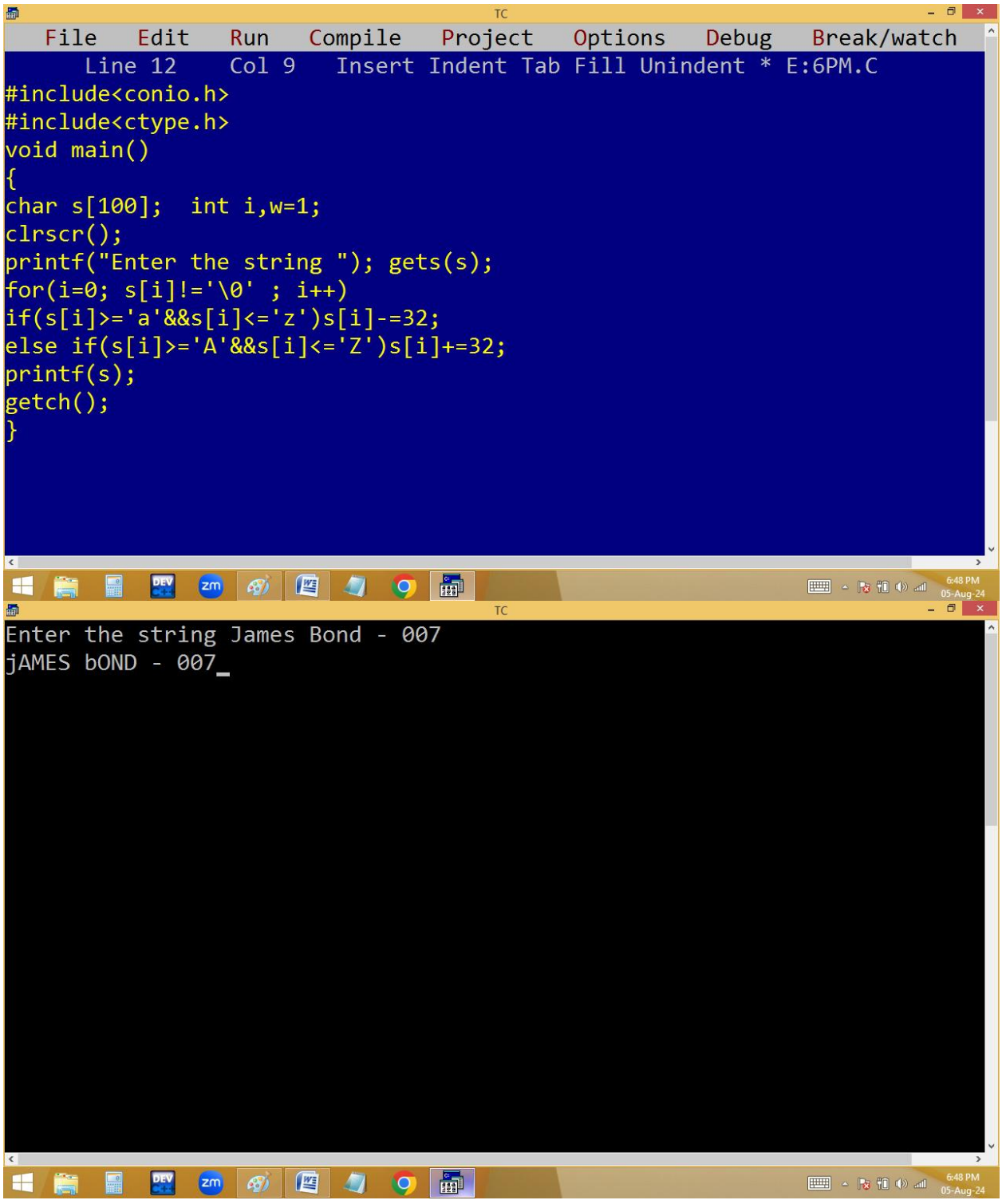

TC
File Edit Run Compile Project Options Debug Break/watch
Line 12 Col 19 Insert Indent Tab Fill Unindent * E:6PM.C
#include<conio.h>
#include<ctype.h>
void main()
{
char s[100]; int i,w=1;
clrscr();
printf("Enter the string "); gets(s);
for(i=0; s[i]!='\0' ; i++)if(s[i]==' '&&s[i+1]!=' ')w++;
if(s[0]==' ')w--;
if(s[i-1]==' ')w--;
if(s[0]=='\0')w--;
printf("%d words",w);
getch();
}
Page: 3 of 3
Words: 14
140%
6:43 PM
05-Aug-24
TC
Enter the string
0 words
6:44 PM
05-Aug-24

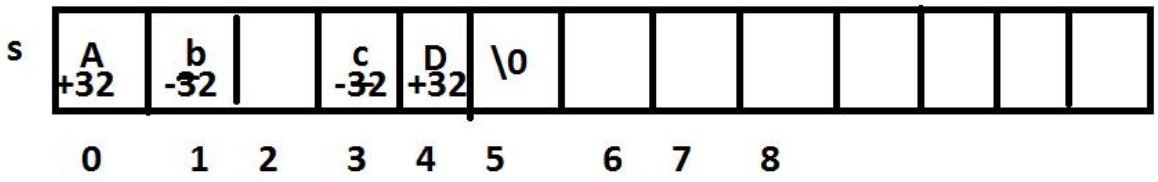

TC
Enter the string naresh it
2 words
6:44 PM
05-Aug-24


TC
Enter the string hyd
1 words
6:44 PM
05-Aug-24

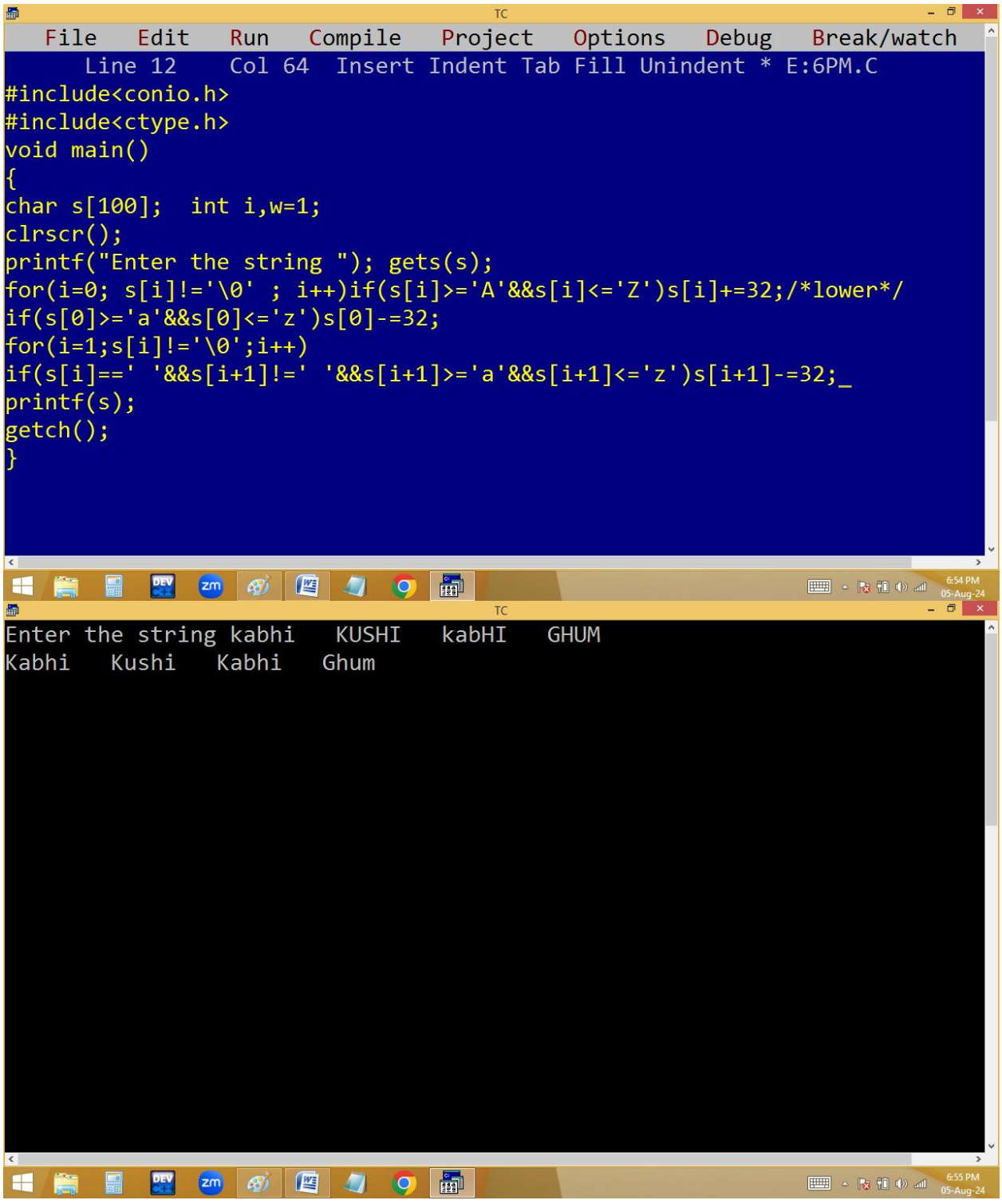


Lower to upper / upper to lower:

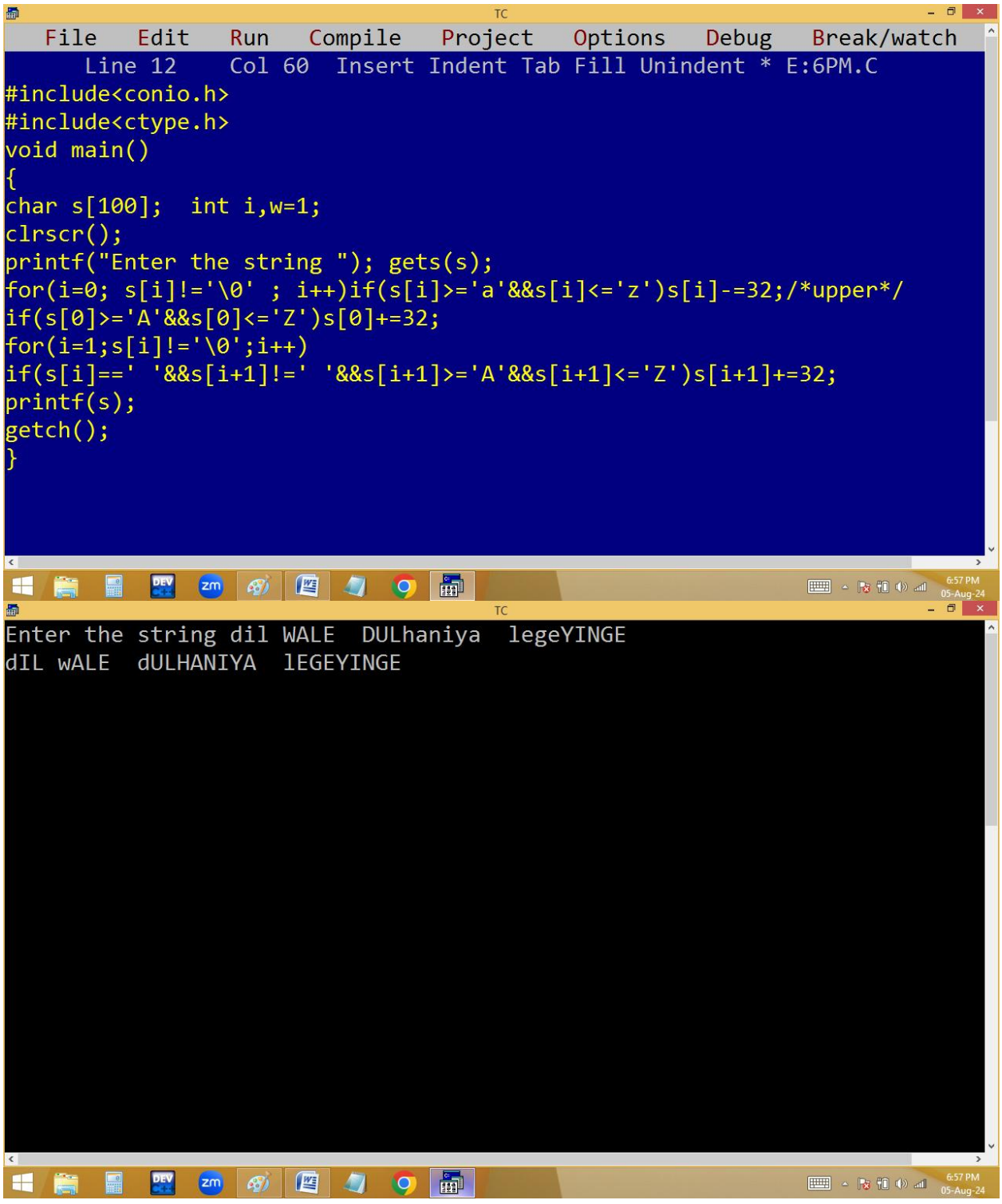

TC
File Edit Run Compile Project Options Debug Break/watch
Line 12 Col 9 Insert Indent Tab Fill Unindent * E:6PM.C
#include<conio.h>
#include<ctype.h>
void main()
{
char s[100]; int i,w=1;
clrscr();
printf("Enter the string "); gets(s);
for(i=0; s[i]!='\0' ; i++)
if(s[i]>='a'&&s[i]<='z')s[i]-=32;
else if(s[i]>='A'&&s[i]<='Z')s[i]+=32;
printf(s);
getch();
}
6:48 PM
05-Aug-24
TC
Enter the string James Bond - 007
jAMES bOND - 007
6:48 PM
05-Aug-24



Capitalized Each Word [Title Case]:

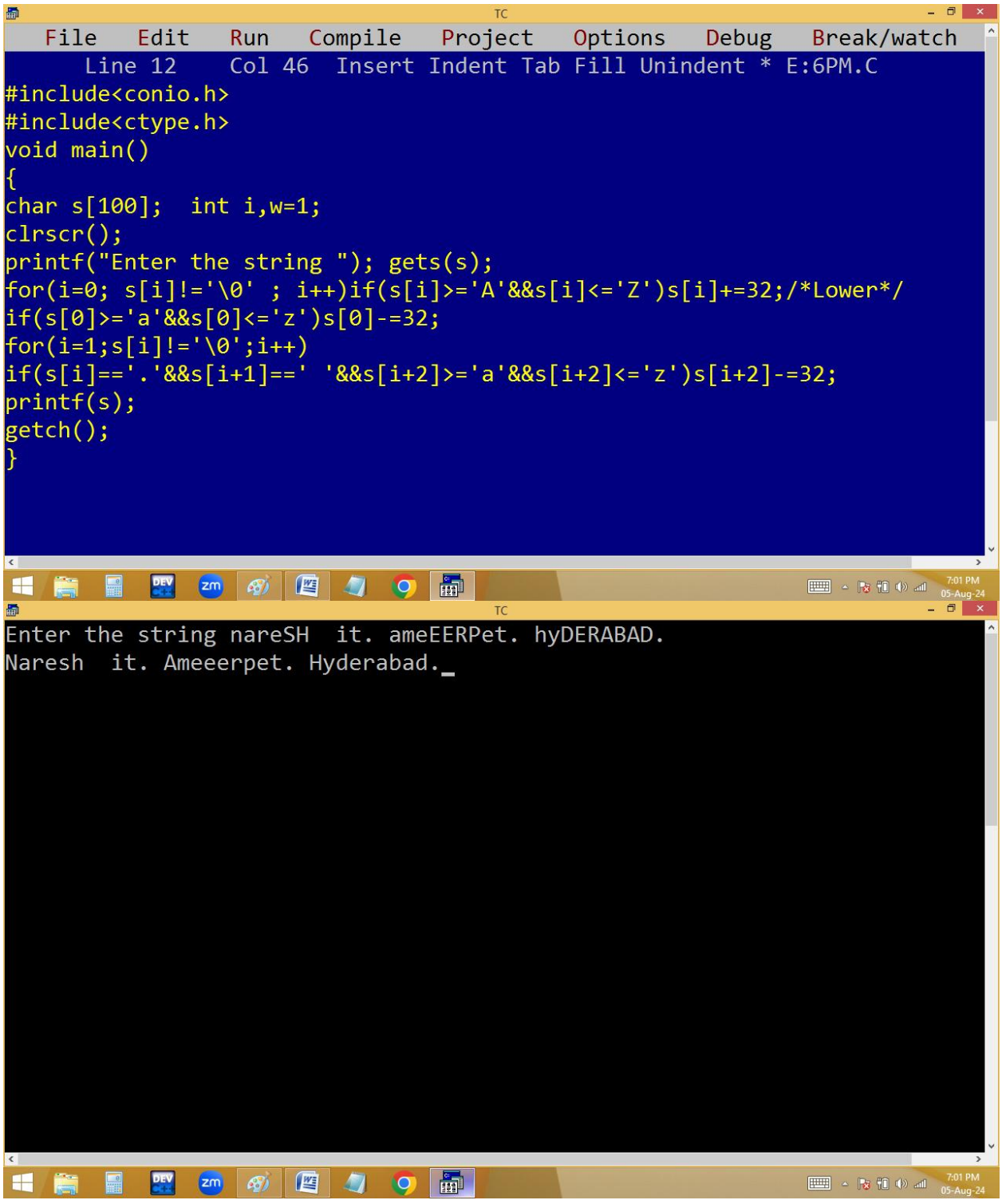

TC
File Edit Run Compile Project Options Debug Break/watch
Line 12 Col 64 Insert Indent Tab Fill Unindent * E:6PM.C
#include<conio.h>
#include<ctype.h>
void main()
{
char s[100]; int i,w=1;
clrscr();
printf("Enter the string "); gets(s);
for(i=0; s[i]!='\0' ; i++)if(s[i]>='A'&&s[i]<='Z')s[i]+=32;/*lower*/
if(s[0]>='a'&&s[0]<='z')s[0]-=32;
for(i=1;s[i]!='\0';i++)
if(s[i]==' '&&s[i+1]!=' '&&s[i+1]>='a'&&s[i+1]<='z')s[i+1]-=32;
printf(s);
getch();
}
6:54 PM
05-Aug-24
TC
Enter the string kabhi KUSHI kabHI GHUM
Kabhi Kushi Kabhi Ghum
6:55 PM
05-Aug-24

tOGGLE cASE:



Sentence case:

Naresh it located in hyd. Ameerpet. Hyd.


TC
File Edit Run Compile Project Options Debug Break/watch
Line 12 Col 46 Insert Indent Tab Fill Unindent * E:6PM.C
#include<conio.h>
#include<ctype.h>
void main()
{
char s[100]; int i,w=1;
clrscr();
printf("Enter the string "); gets(s);
for(i=0; s[i]!='\0' ; i++)if(s[i]>='A'&&s[i]<='Z')s[i]+=32;/*Lower*/
if(s[0]>='a'&&s[0]<='z')s[0]-=32;
for(i=1;s[i]!='\0';i++)
if(s[i]=='.'&&s[i+1]==' '&&s[i+2]>='a'&&s[i+2]<='z')s[i+2]-=32;
printf(s);
getch();
}
7:01 PM
05-Aug-24
TC
Enter the string nareSH it. ameEERPet. hyDERABAD.
Naresh it. Ameeerpet. Hyderabad.
7:01 PM
05-Aug-24

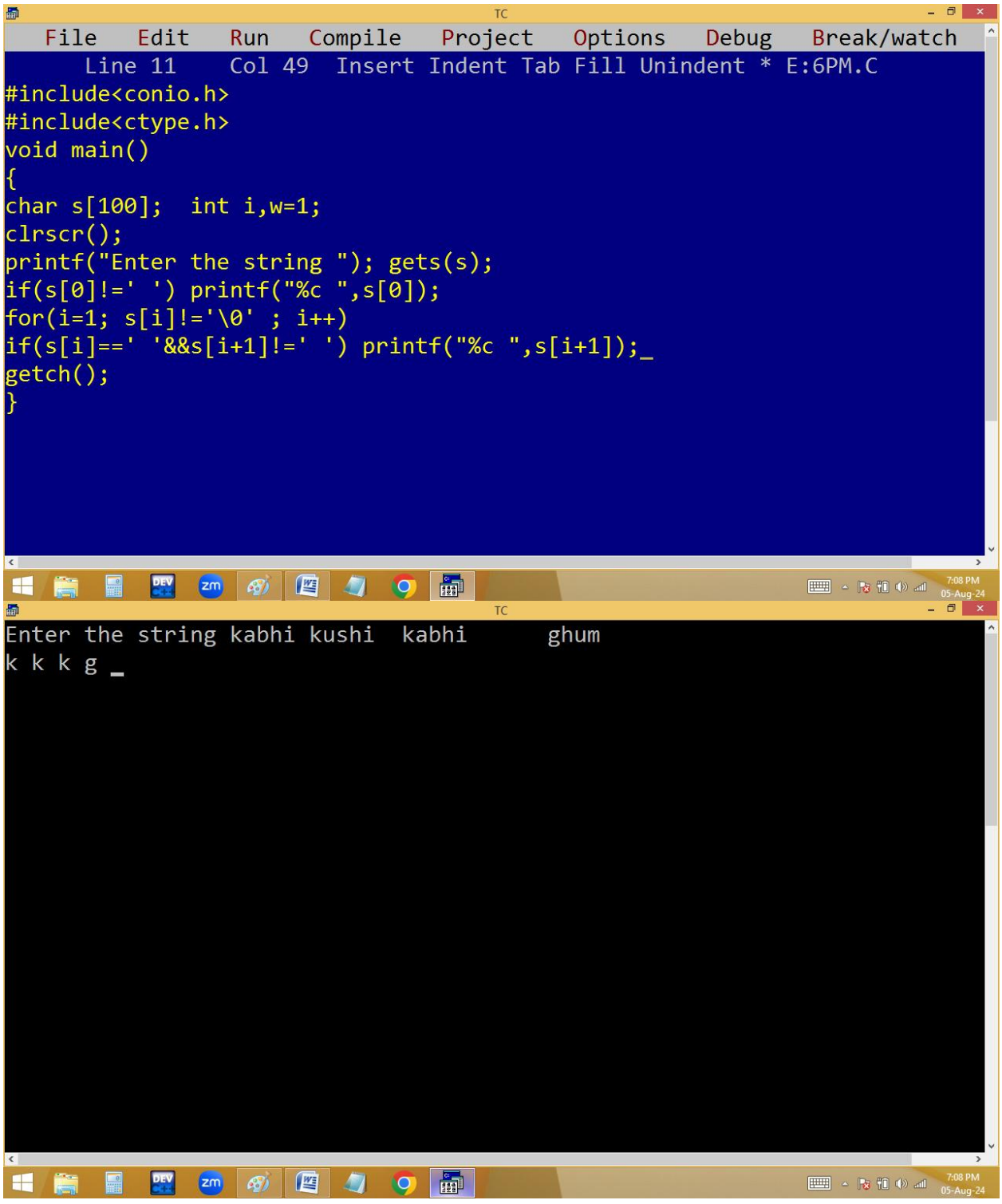
Abbreviation:

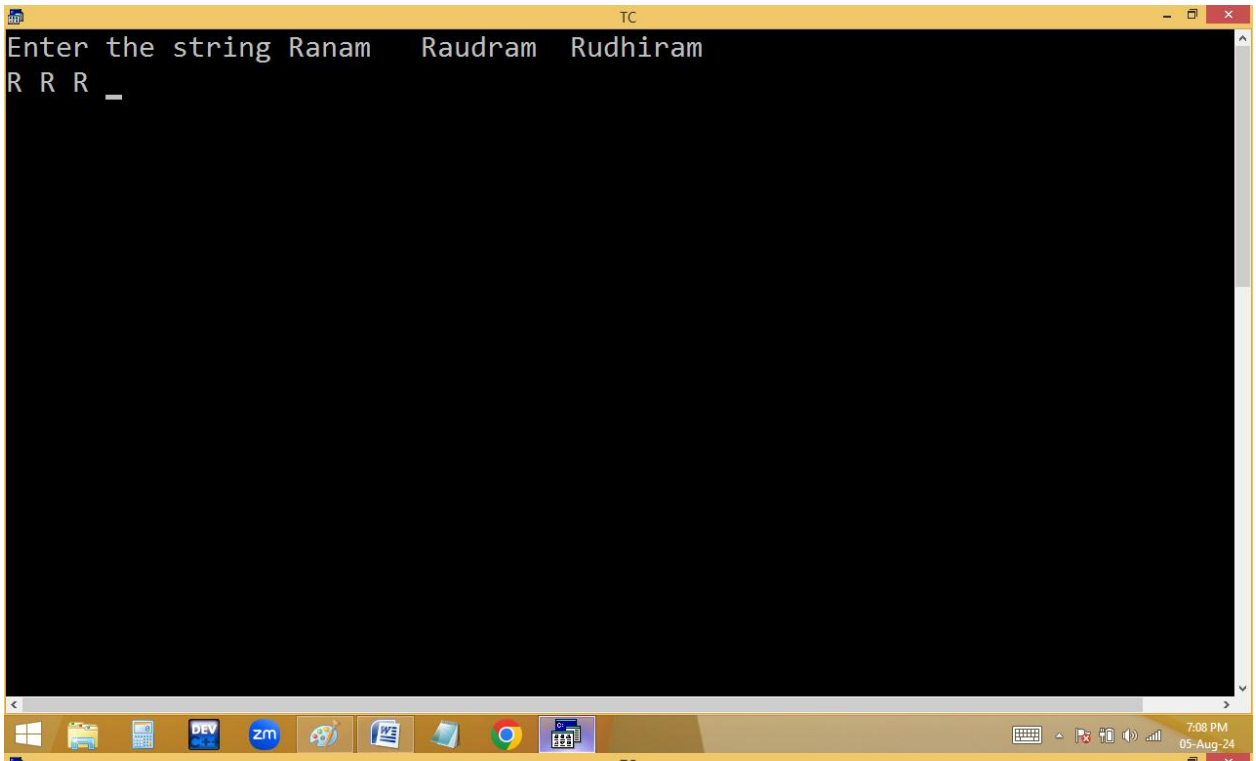
KKKG – KABHI KUSHI KABHI GHUM

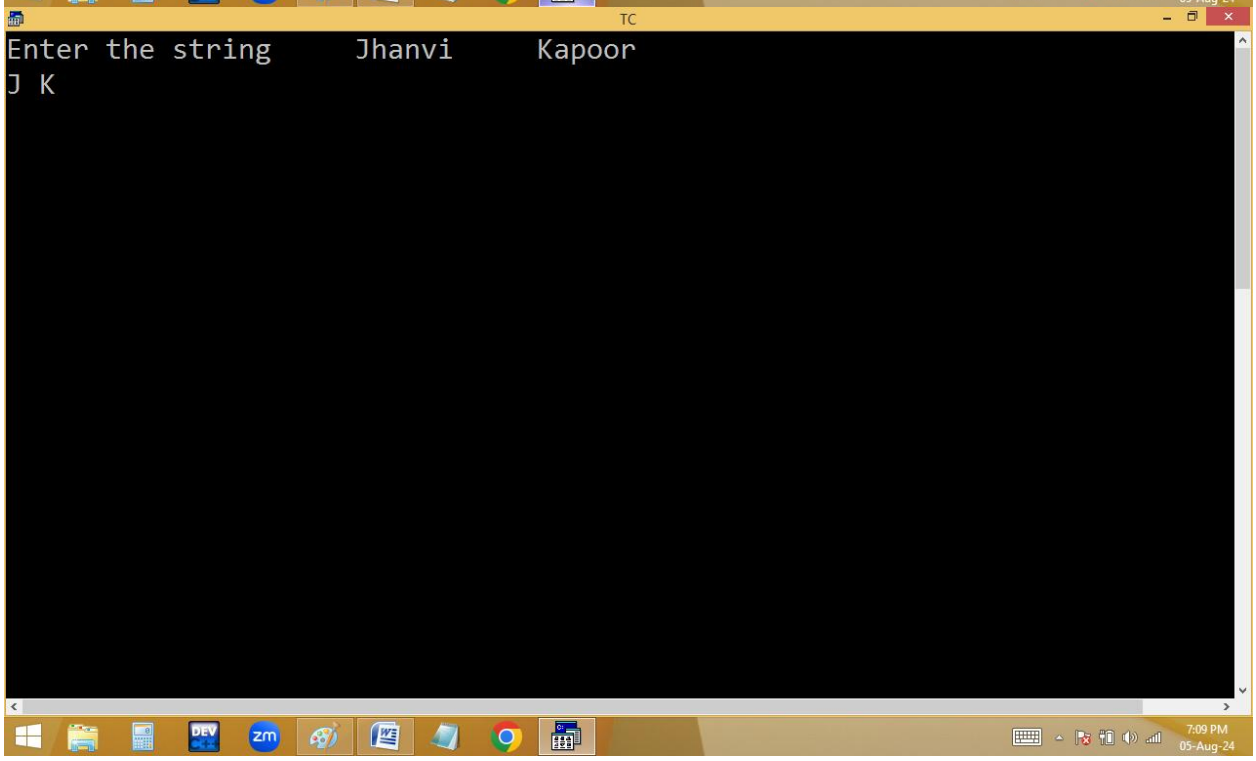
ISRO – INDIAN SPACE AND RESEARCH ORGANIZATION

PK – PAWAN KALYAN

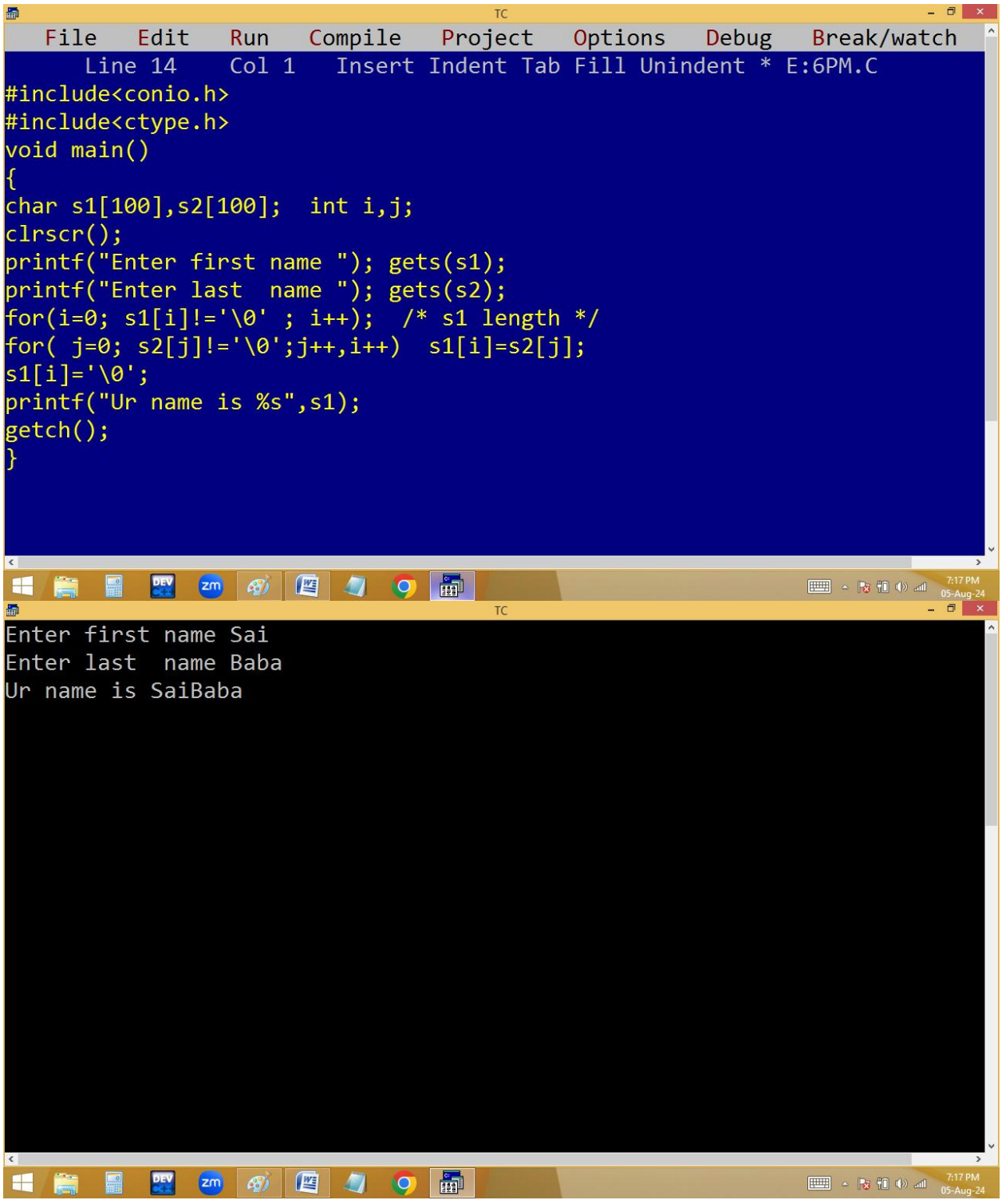
NTR – NANDHAMURI TARAKA RAMARAO

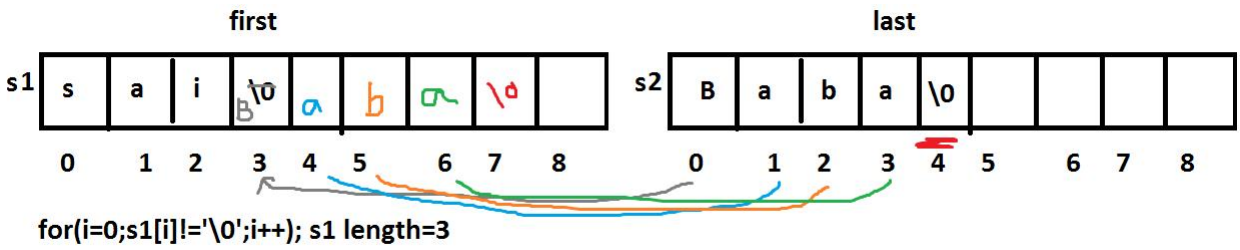

TC
File Edit Run Compile Project Options Debug Break/watch
Line 11 Col 49 Insert Indent Tab Fill Unindent * E:6PM.C
#include<conio.h>
#include<ctype.h>
void main()
{
char s[100]; int i,w=1;
clrscr();
printf("Enter the string "); gets(s);
if(s[0]!=' ') printf("%c ",s[0]);
for(i=1; s[i]!='\0' ; i++)
if(s[i]==' '&&s[i+1]!=' ') printf("%c ",s[i+1]);_
getch();
}
TC
Enter the string kabhi kushi kabhi ghum
k k k g _


TC
Enter the string Ranam Raudram Rudhiram
R R R _
7:08 PM
05-Aug-24


TC
Enter the string Jhanvi Kapoor
J K
7:09 PM
05-Aug-24

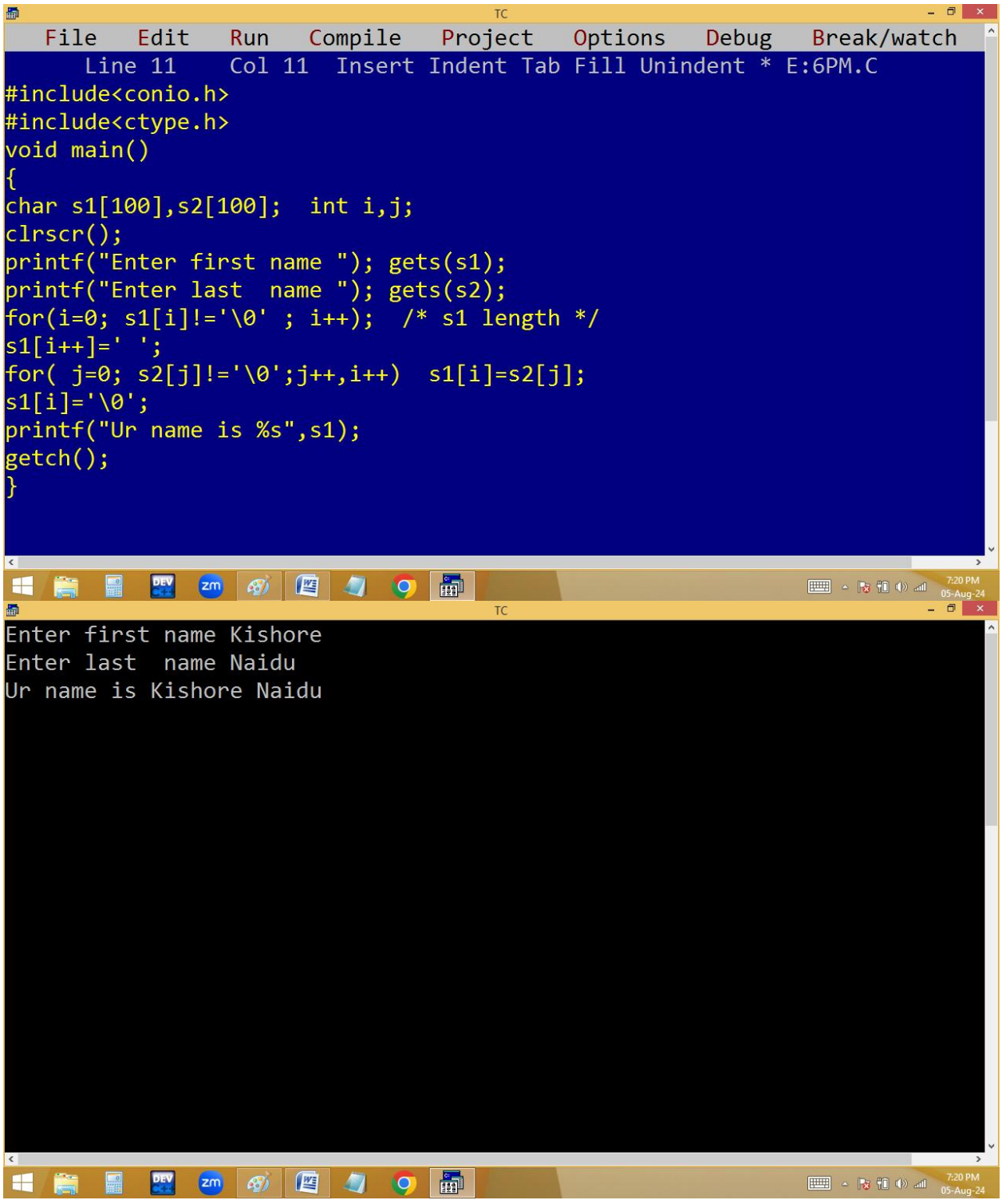
String concatenation:

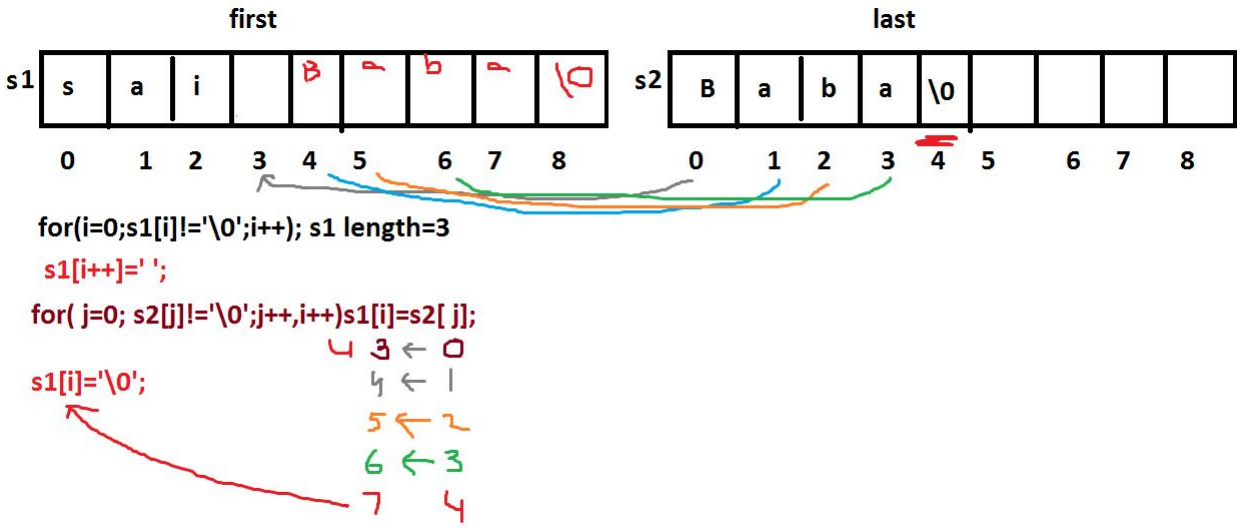

TC
File Edit Run Compile Project Options Debug Break/watch
Line 14 Col 1 Insert Indent Tab Fill Unindent * E:6PM.C
#include<conio.h>
#include<ctype.h>
void main()
{
char s1[100],s2[100]; int i,j;
clrscr();
printf("Enter first name "); gets(s1);
printf("Enter last name "); gets(s2);
for(i=0; s1[i]!='\0' ; i++); /* s1 length */
for(j=0; s2[j]!='\0';j++,i++) s1[i]=s2[j];
s1[i]='\0';
printf("Ur name is %s",s1);
getch();
}
TC
Enter first name Sai
Enter last name Baba
Ur name is SaiBaba




```
for( j=0; s2[j]!='\0';j++,i++)s1[i]=s2[ j];
s1[i]='\0';
```

With space:


TC
File Edit Run Compile Project Options Debug Break/watch
Line 11 Col 11 Insert Indent Tab Fill Unindent * E:6PM.C
#include<conio.h>
#include<ctype.h>
void main()
{
char s1[100],s2[100]; int i,j;
clrscr();
printf("Enter first name "); gets(s1);
printf("Enter last name "); gets(s2);
for(i=0; s1[i]!='\0' ; i++); /* s1 length */
s1[i++]=' ';
for(j=0; s2[j]!='\0';j++,i++) s1[i]=s2[j];
s1[i]='\0';
printf("Ur name is %s",s1);
getch();
}
7:20 PM
05-Aug-24
TC
Enter first name Kishore
Enter last name Naidu
Ur name is Kishore Naidu
7:20 PM
05-Aug-24



Character frequency:

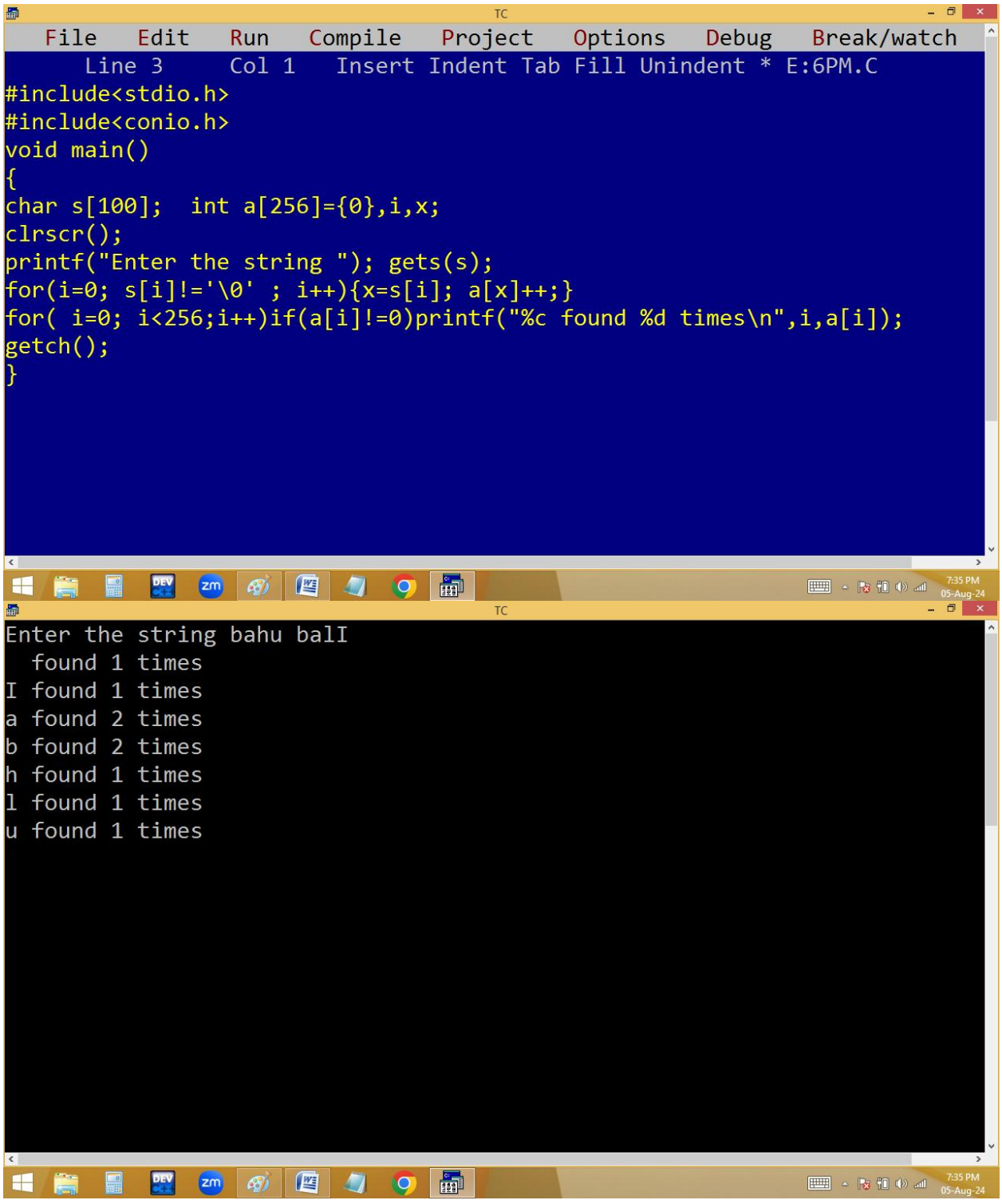
Aadya ➔

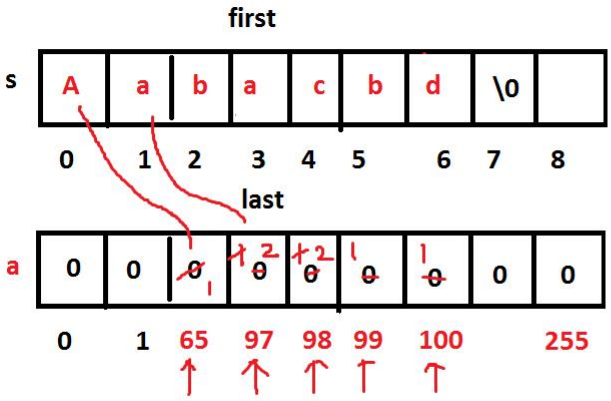
A – 1 time

a – 2 times

d – 1 time

y – 1 time


TC
File Edit Run Compile Project Options Debug Break/watch
Line 3 Col 1 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
char s[100]; int a[256]={0},i,x;
clrscr();
printf("Enter the string "); gets(s);
for(i=0; s[i]!='\0' ; i++){x=s[i]; a[x]++;}
for(i=0; i<256;i++)if(a[i]!=0)printf("%c found %d times\n",i,a[i]);
getch();
}
TC
Enter the string bahu balI
found 1 times
I found 1 times
a found 2 times
b found 2 times
h found 1 times
l found 1 times
u found 1 times




```
for(i=0; s[i]!='\0';i++)
{
int x=s[i];  ==> x=65
a[x]++;
}
```

i: 0 1 2 3 4 5 6

```
for(i=0;i<256;i++)
if(a[i]!=0)p("%c found %d times\n",  i ,a[i]);
```