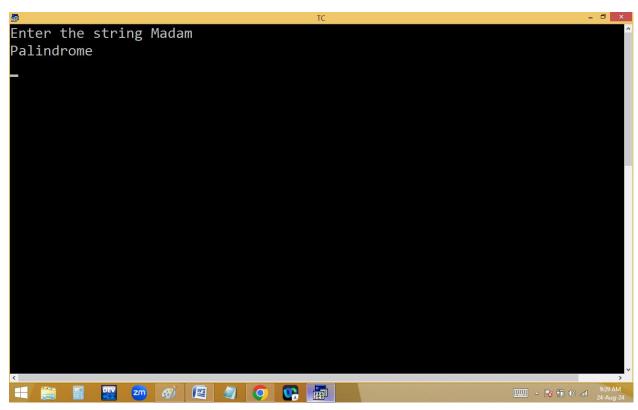
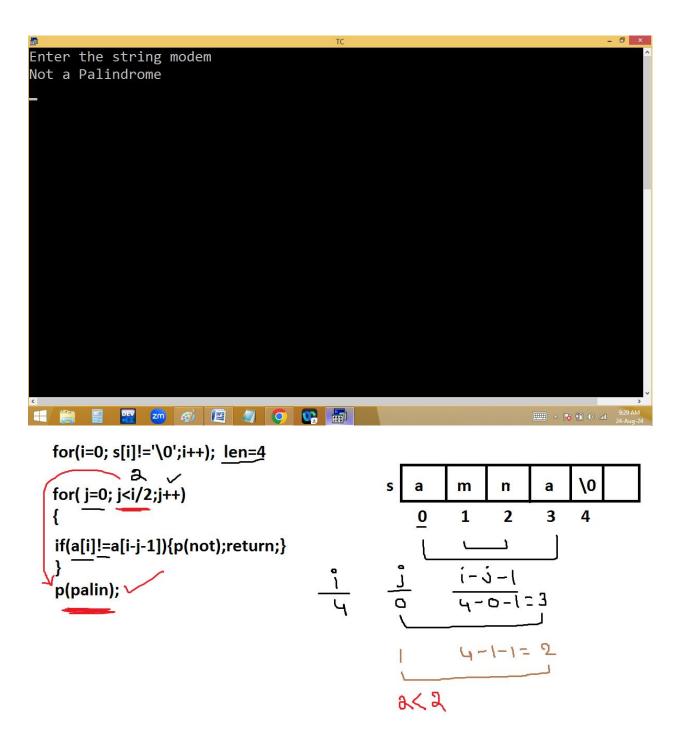
## Finding palindrome string using single string:

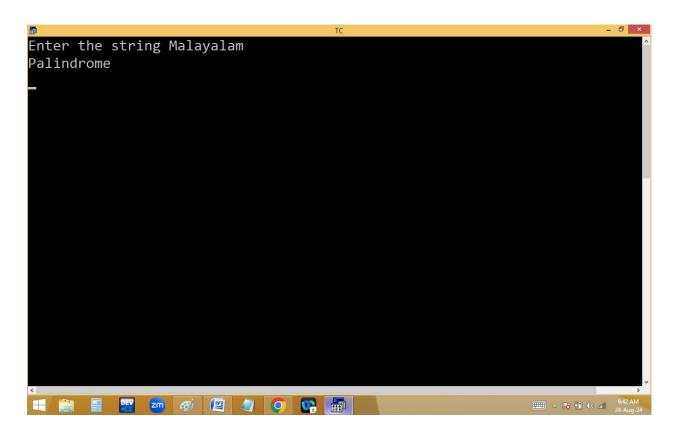
```
Project
  File Edit
              Run
                   Compile
                                     Options Debug
                                                     Break/watch
                               = Edit =
     Line 3
               Col 18 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
#include<ctype.h>
void main()
char s[100];
int i,j;
clrscr();
printf("Enter the string "); gets(s);
for(i=0;s[i]!='\0';i++); /* strlen */
for(j=0; j<i/2;j++)
if(tolower(s[j])!=tolower(s[i-j-1])){puts("Not a Palindrome");getch(); re
puts("Palindrome");
getch();
```



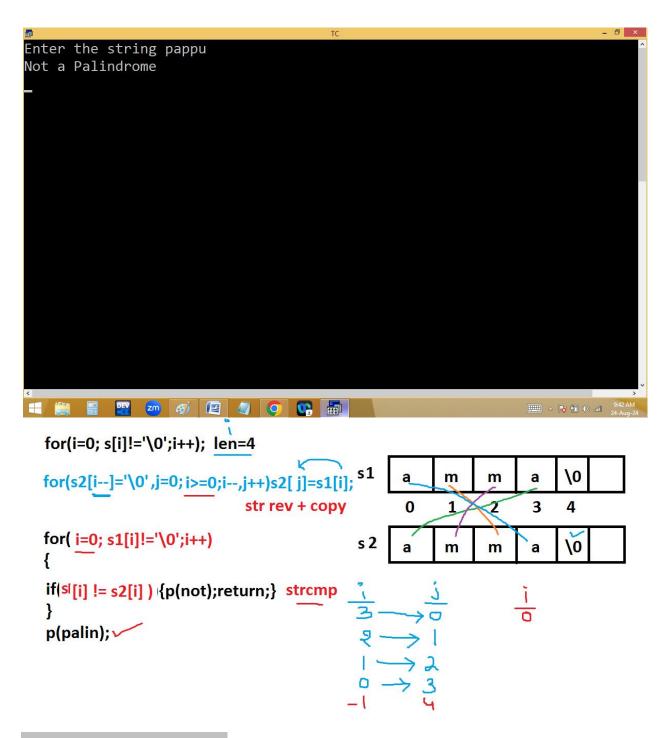


Using 2 strings:

```
_ 0 ×
  File Edit Run
                     Compile Project Options Debug Break/watch
                              ——— Edit —
                 Col 24 Insert Indent Tab Fill Unindent * E:9AM.C
      Line 6
#include<stdio.h>
#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(s2[i--]='\0',j=0;i>=0;i--,j++)s2[j]=s1[i];/* strrev + copy */
for(i=0;s1[i]!='\0';i++)
if(tolower(s1[i])!=tolower(s2[i])){puts("Not a Palindrome");getch(); retu
puts("Palindrome");
getch();
9:4
24-4
```







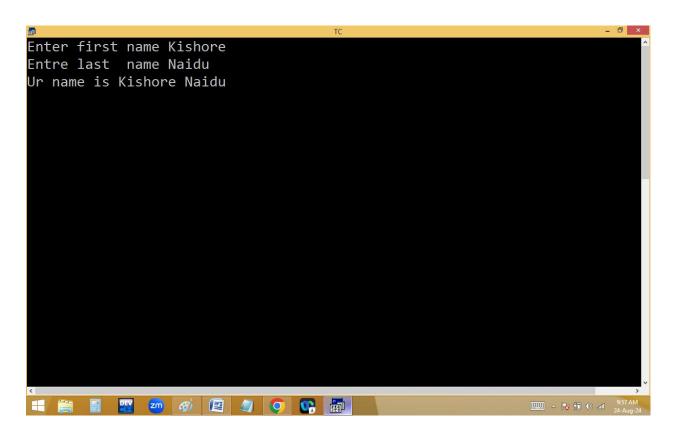
## String concatenation:

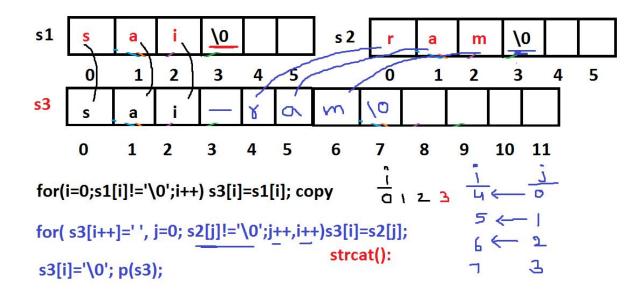
Enter first name: Kishore

Enter last name: Naidu

#### Ur name is Kishore Naidu

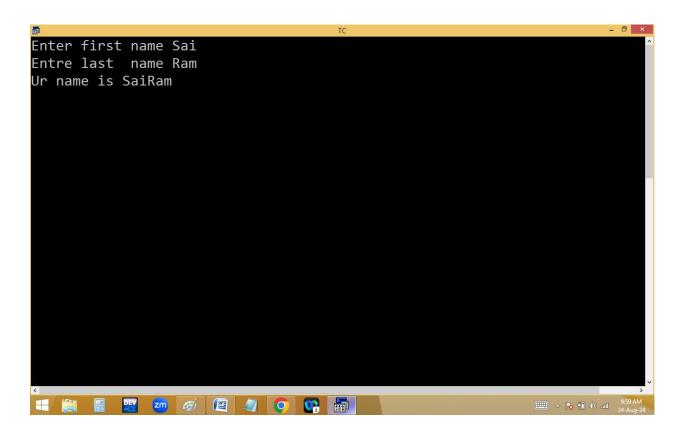
```
File Edit
              Run
                    Compile
                             Project
                                      Options
                                               Debug
                                                       Break/watch
                           ----- Edit =
     Line 3
               Col 1
                      Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
char s1[100],s2[100],s3[100]; int i,j;
clrscr();
printf("Enter first name "); gets(s1);
printf("Entre last name "); gets(s2);
for(i=0;s1[i]!='\0';i++)s3[i]=s1[i]; /* strcpy */
for(s3[i++]=' ',j=0;s2[j]!='\0';i++,j++)s3[i]=s2[j];/* strcat() */
s3[i]='\0';
printf("Ur name is %s",s3);
getch();
```





# Without space:

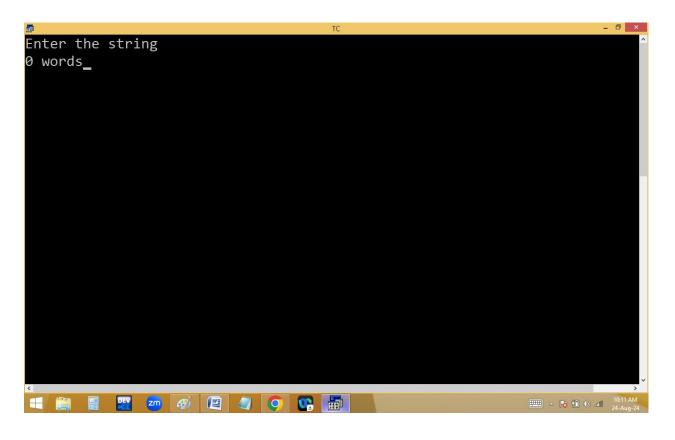
```
File Edit Run
                  Compile Project Options Debug Break/watch
                           —— Edit ——
               Col 5
      Line 10
                      Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
char s1[100],s2[100],s3[100]; int i,j;
clrscr();
printf("Enter first name "); gets(s1);
printf("Entre last name "); gets(s2);
for(i=0;s1[i]!='\0';i++)s3[i]=s1[i]; /* strcpy */
for(j=0;s2[j]!='\0';i++,j++)s3[i]=s2[j];/* strcat() */
s3[i]='\0';
printf("Ur name is %s",s3);
getch();
9:59 AN
```

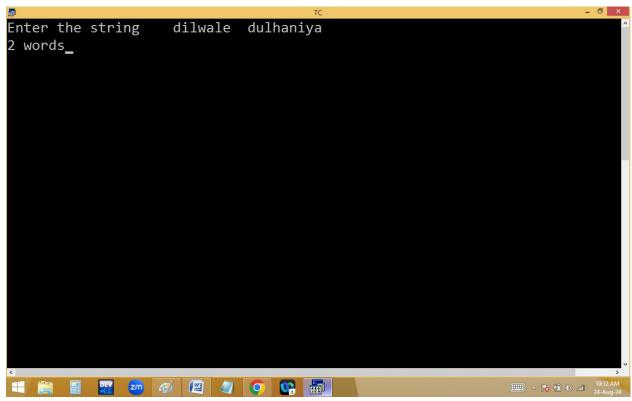


## Finding no of words in given string:

Eg: jaanu I miss you → 4 words

```
File Edit Run Compile
                             Project Options Debug Break/watch
                                = Edit =
     Line 11
               Col 19 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
char s[100]; int i,c=1;
clrscr();
printf("Enter the string "); gets(s);
for(i=0;s[i]!='\0';i++) if(s[i]==' '&&s[i+1]!=' ')c++; if(s[0]==' ')c--;
if(s[i-1]==' ')c--;
if(s[0]=='\0')c--;
printf("%d words",c);
getch();
```

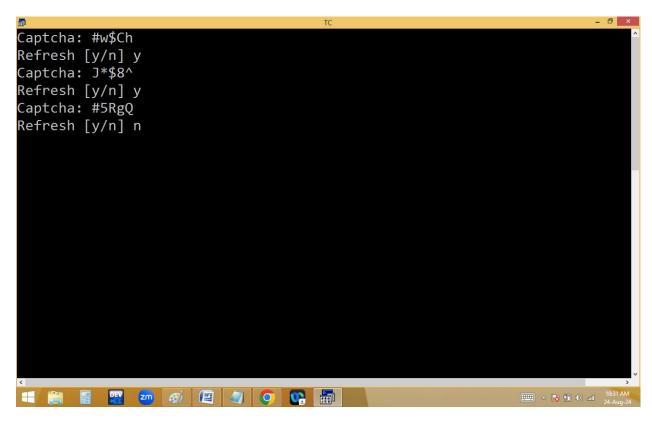




## Captcha code generation:

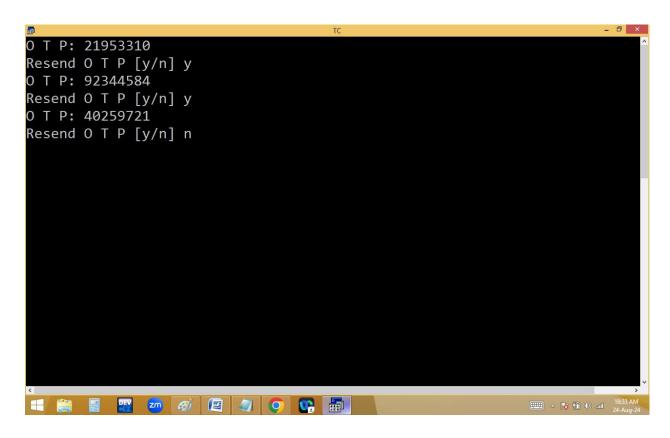
```
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
{
char s[10],sp[]="@#$%^*",ch; int i,n;
clrscr();
while(1)
{ randomize();
for(i=0;i<5;i++)
{
n=random(4);
if(n==0)s[i]=97+random(26);
else if(n==1)s[i]=65+random(26);
else if(n==2)s[i]=48+random(10);
else s[i]=sp[random(6)];
} s[i]='\0'; printf("Captcha: %s\n", s);
```

```
flushall();printf("Refresh [y/n] ");scanf("%c",&ch);
if(ch=='n'||ch=='N') break;
}
```



## **OTP Generation**:

```
_ 0 ×
                     Compile Project Options Debug Break/watch
  File Edit
               Run
               Col 12 Insert Indent Tab Fill Unindent * E:9AM.C
     Line 10
#include<stdi<u>o.h></u>
#include<conio.h>
#include<stdlib.h>
void main()
char s[10],ch; int i;
clrscr();
while(1)
{ randomize();
for(i=0;i<8;i++)
s[i]=48+random(10);
} s[i]='\0'; printf("0 T P: %s\n", s);
flushall();printf("Resend O T P [y/n] ");scanf("%c",&ch);
if(ch=='n'||ch=='N') break;
}}
```



#### **Password generation:**

```
File Edit Run
                   Compile Project
                                    Options Debug
                                                    Break/watch
     Line 15 Col 24 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
char user[20],pass[20],ch; int i=0;
clrscr();
printf("Enter user id "); scanf("%s",user);
printf("Enter pass word ");
while((ch=getch())!=13)
}pass[i]='\0';
printf("\nShow pass word[y/n] "); flushall();scanf("%c",&ch);
if(ch=='y'||ch=='Y')printf("Ur pass word %s",pass);
else printf("Pass word protected");
getch();
```

