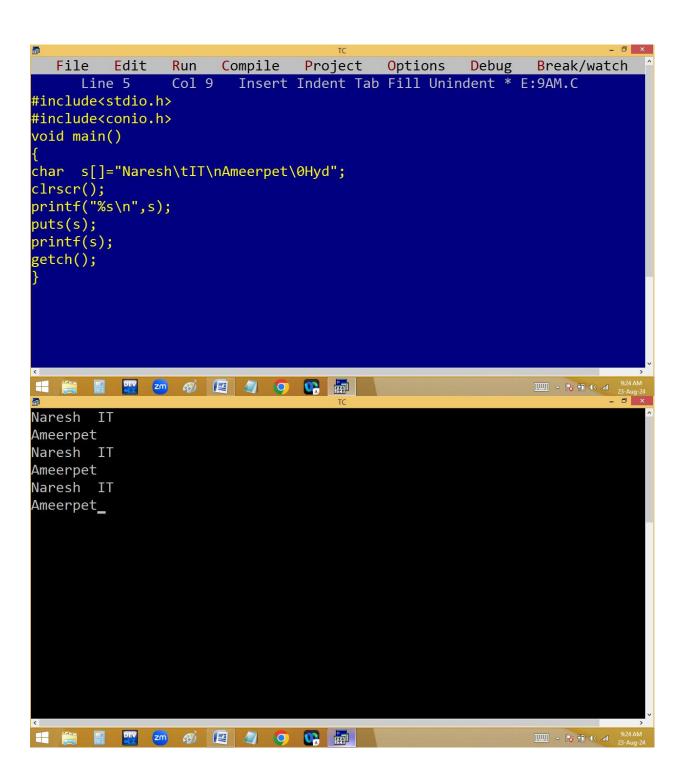
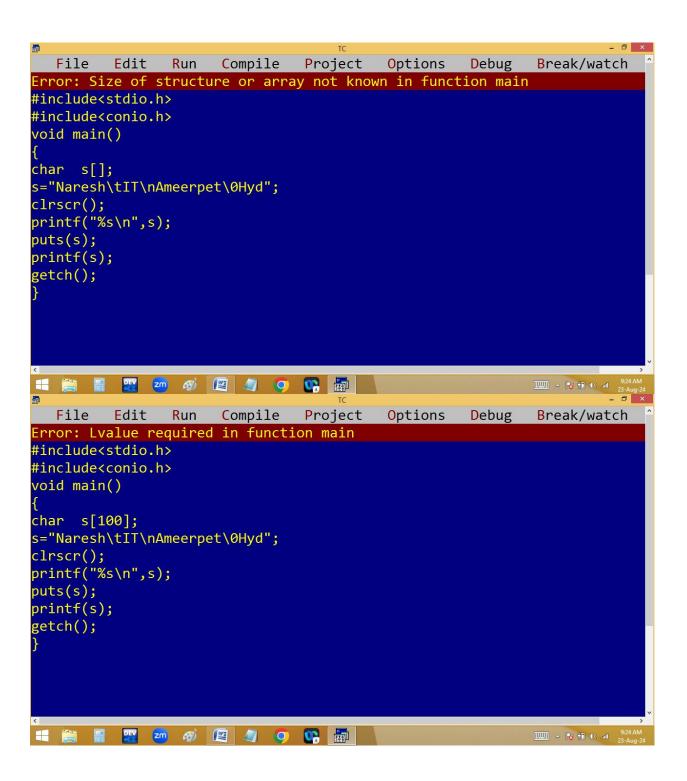
## Direct initialization of a string:

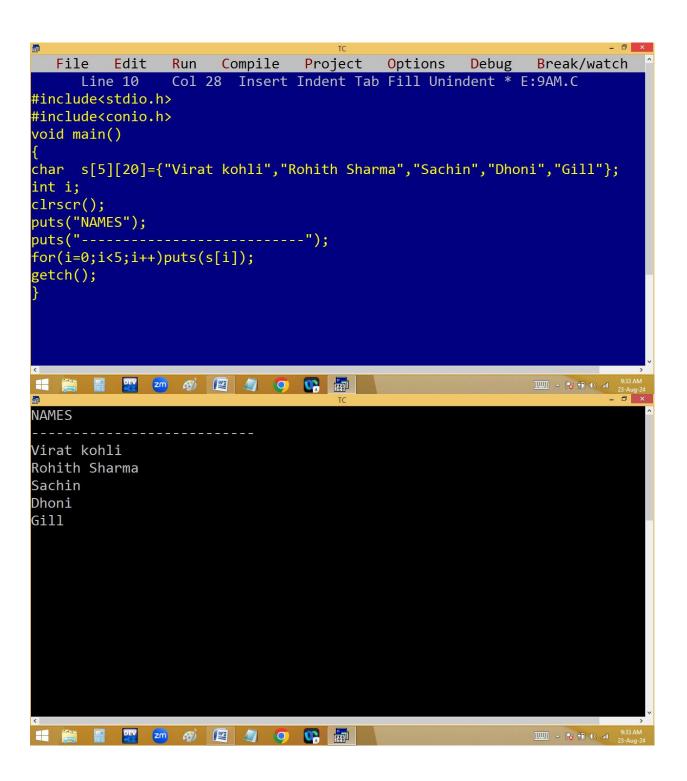
```
File Edit Run Compile Project Options Debug Break/watch
             Col 2
                   Insert Indent Tab Fill Unindent * E:9AM.C
    Line 11
#include<stdio.h>
#include<conio.h>
void main()
char s[100]="Naresh\tIT\nAmeerpet\0Hyd";
clrscr();
printf("%s\n",s);
puts(s);
printf(s);
getch();
        Naresh IT
Ameerpet
Naresh IT
Ameerpet
Naresh IT
Ameerpet
9:23 AM
```





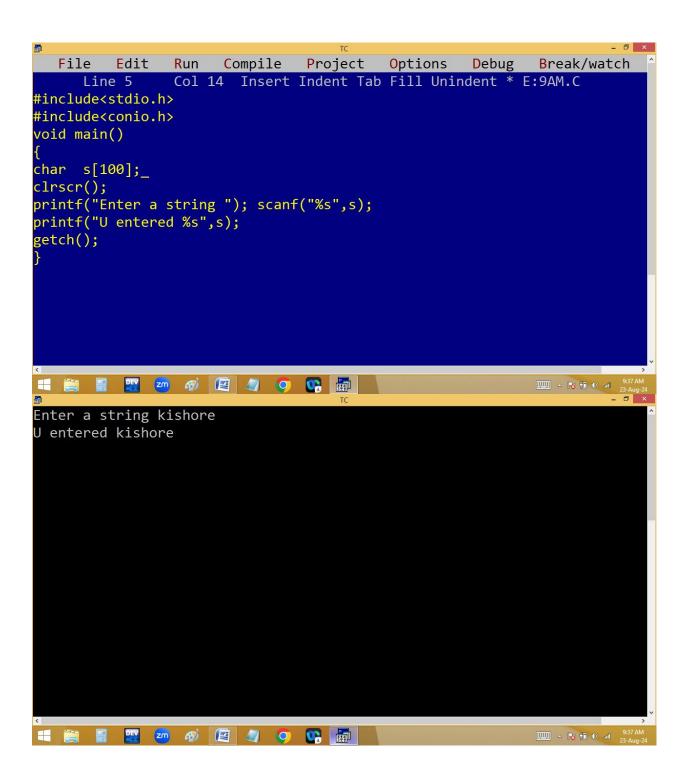
```
File Edit
              Run
                   Compile Project Options Debug
                                                    Break/watch
              Col 10 Insert Indent Tab Fill Unindent * E:9AM.C
     Line 11
#include<stdio.h>
#include<conio.h>
void main()
char s1[2]="K",s2[]="K", s3[2]={'K'},s4[]={'K','\0'}, <mark>s5[]={'K'}</mark>;
clrscr();
puts(s1);
puts(s2);
puts(s3);
puts(s4);
puts(s5);_
getch();
         Кс∞ ↔७७
         9:29 Al
```

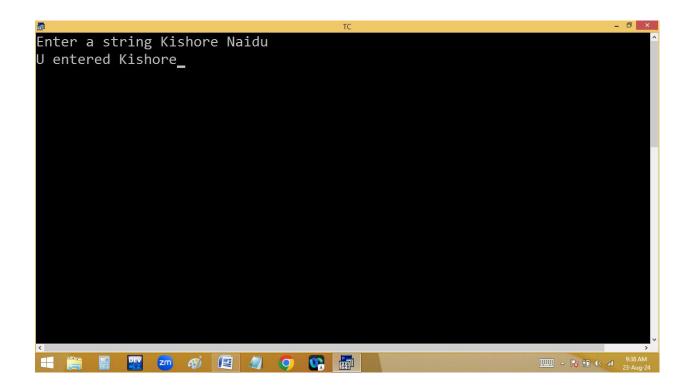
**Storing of multiple strings:** 

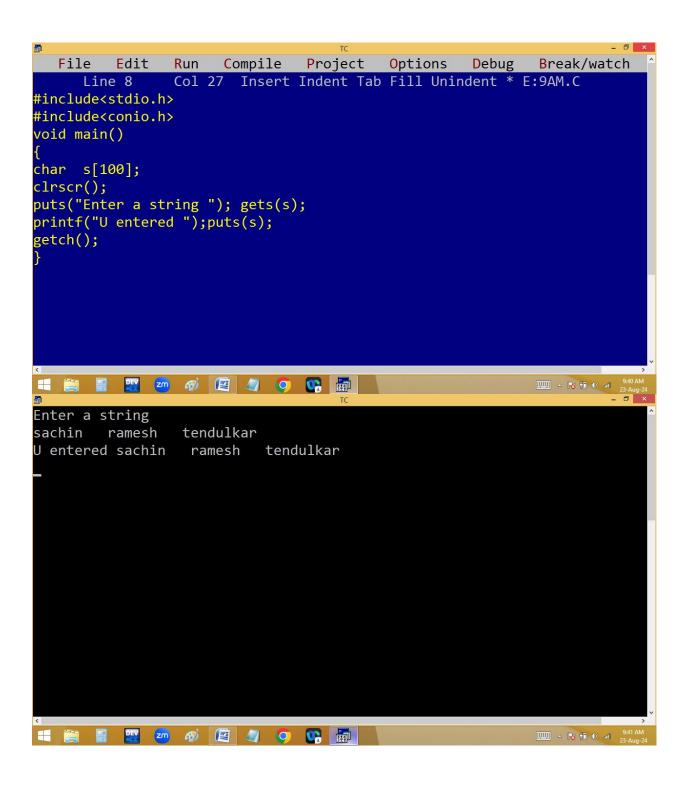


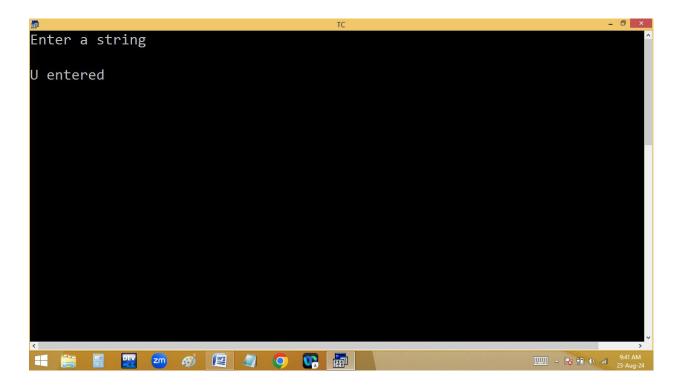
```
File Edit
             Run Compile Project Options Debug Break/watch
             Col 71 Insert Indent Tab Fill Unindent * E:9AM.C
    Line 5
#include<stdio.h>
#include<conio.h>
void main()
char s[5][20]={"Virat kohli","Rohith Sharma","Sachin","Dhoni","Dravid"};
int i;
clrscr();
puts("NAMES");
puts("-----");
for(i=0;i<5;i++)printf("%c",s[i][i]);
getch();
NAMES
Vocni_
       9:36 A
```

Reading and printing a string at runtime:

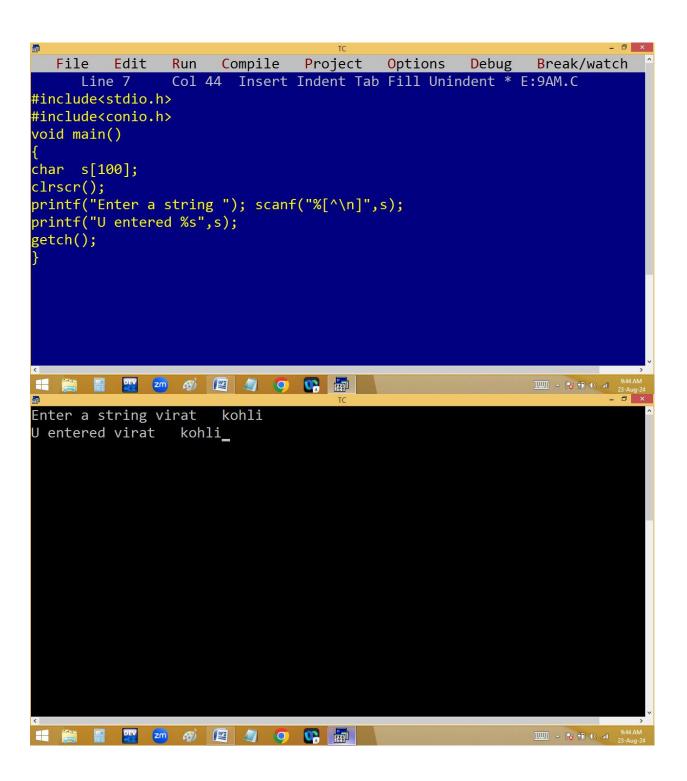


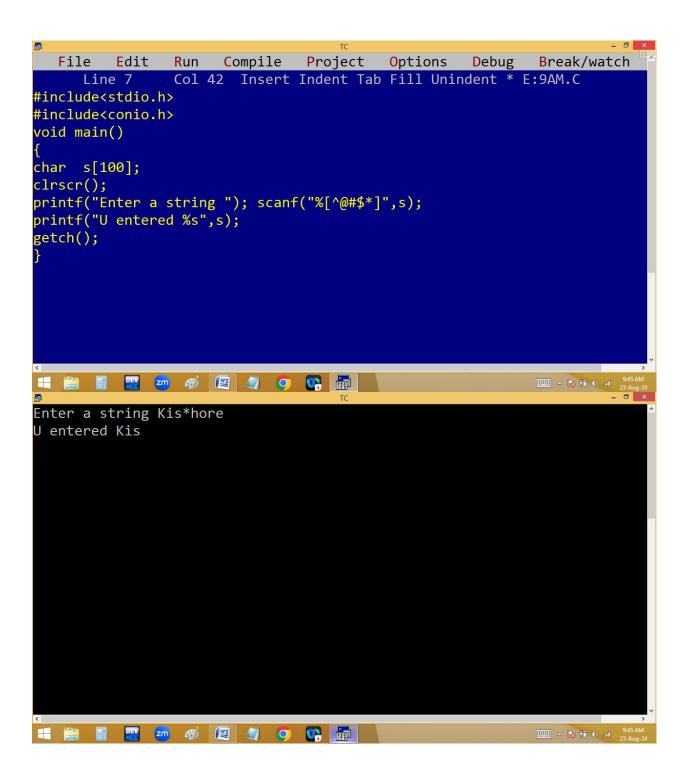


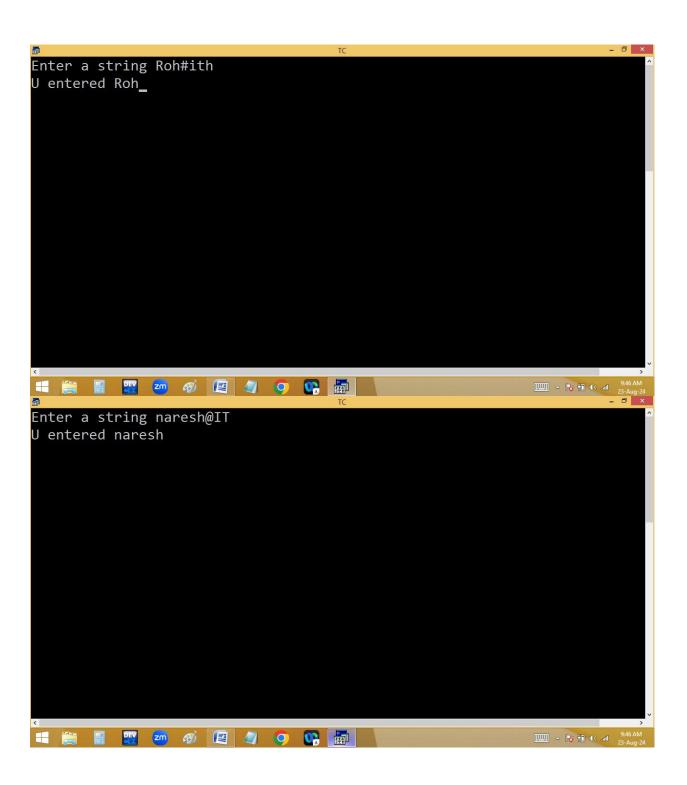


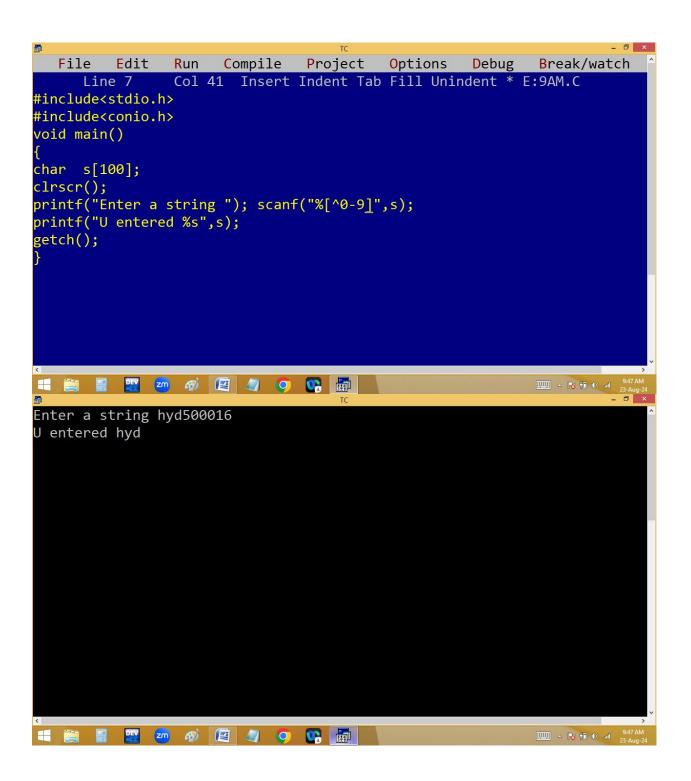


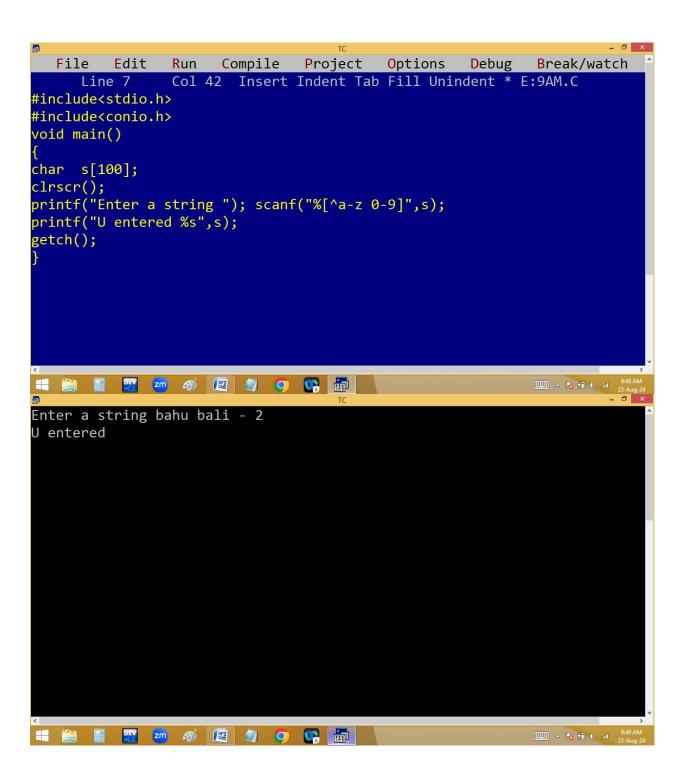
Magic / Scan set characters:

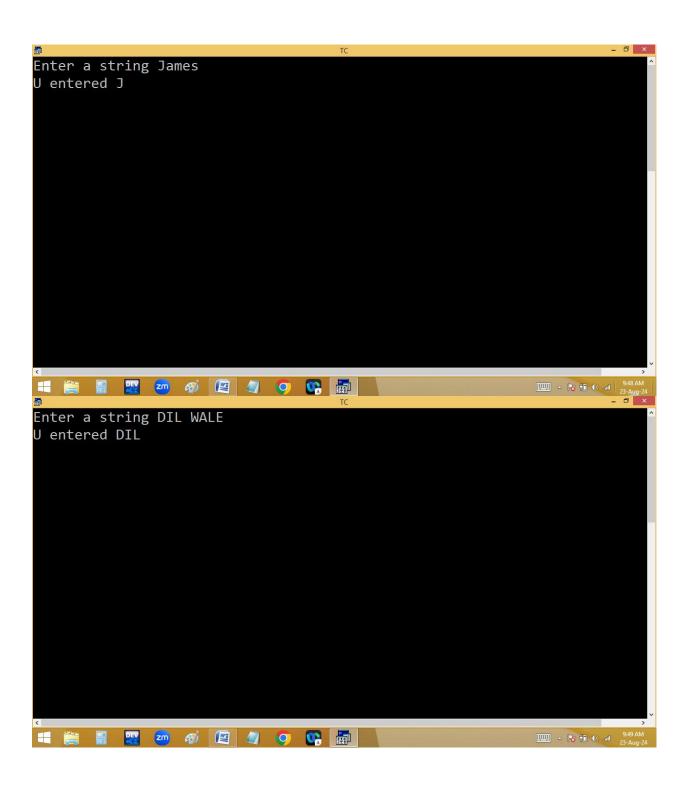


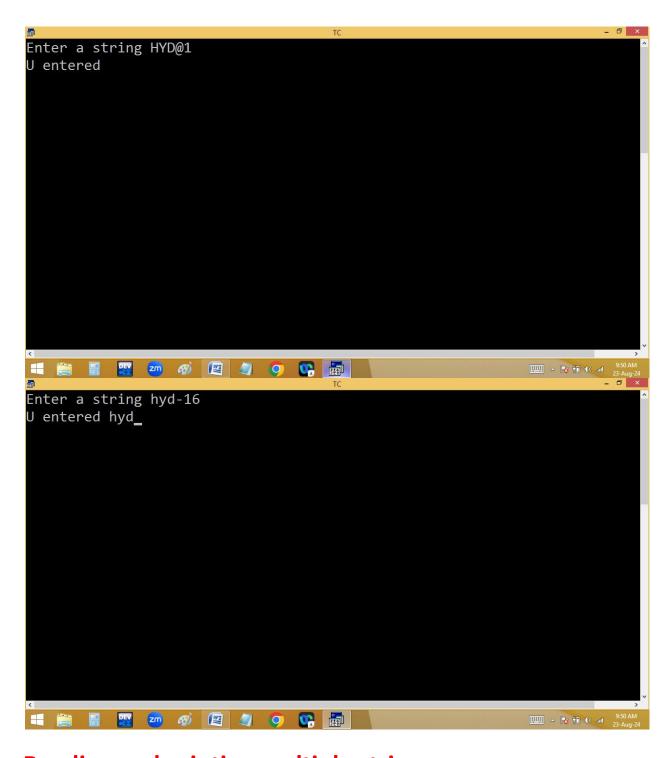




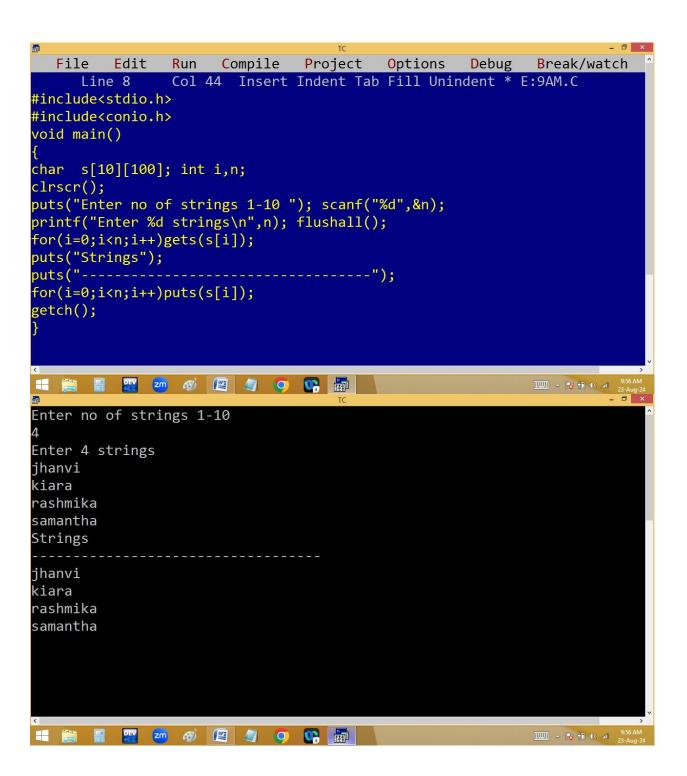






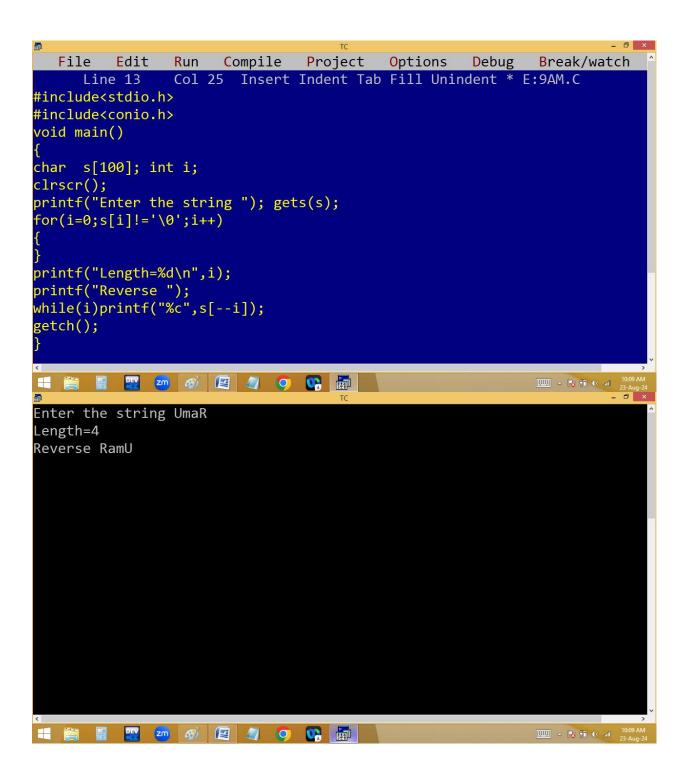


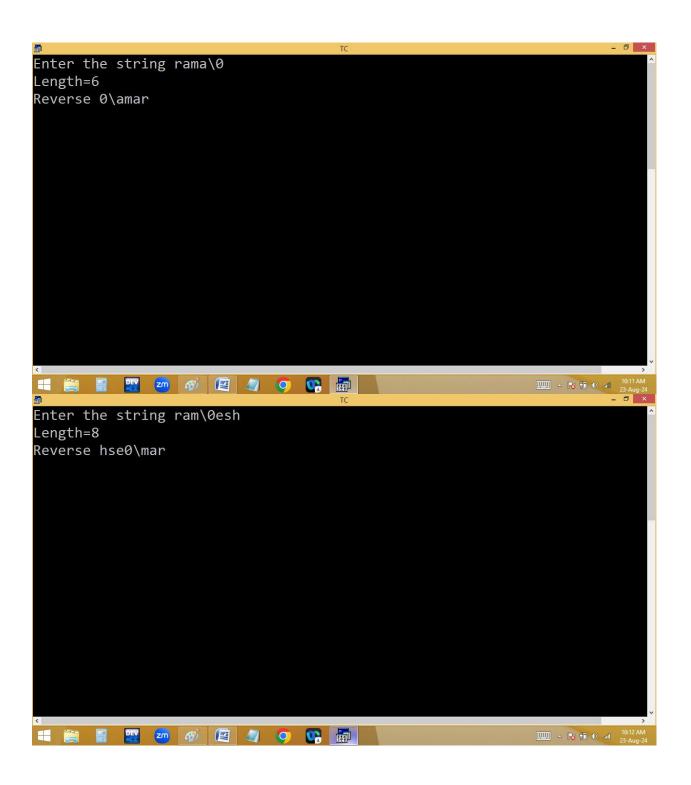
Reading and printing multiple strings:

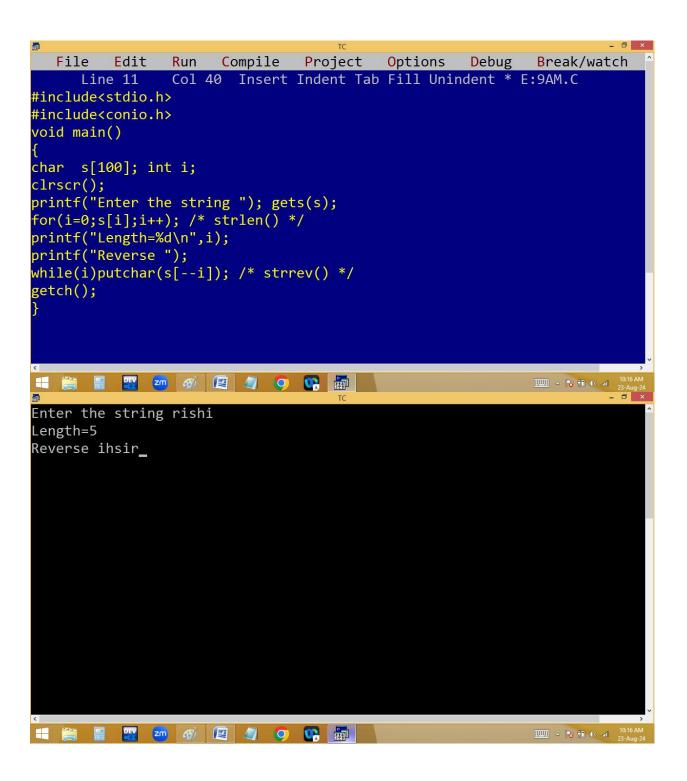


## Finding string length and reverse string using user defined program:

```
File Edit
              Run
                   Compile
                           Project
                                   Options
                                            Debug
                                                  Break/watch
              Col 36 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
char s[100]; int i;
clrscr();
printf("Enter the string "); gets(s);
for(i=0;s[i]!='\0';i++)
printf("Length=%d\n",i);
printf("Reverse ");
for(i--;i>=0;i--)printf("%c",s[i]);_
getch();
Enter the string AbcD
Length=4
Reverse DcbA
```



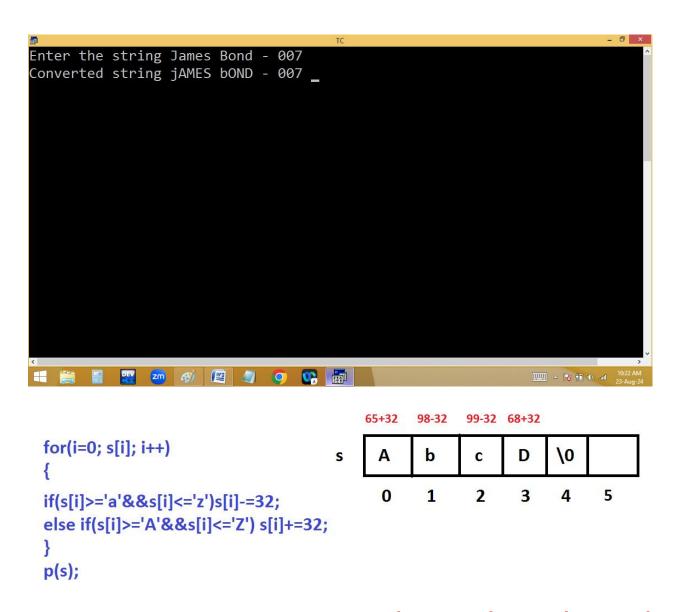




```
65500
                                                         501
                                                               502
                                                                     503
                                                                           504
for( i=0; s[i]!='\0';i++)
                                                  A
                                                         b
                                                                      D
                                                                            10
                                  3210S
                                                                C
                   strlen()
                                  DcbA
                                                   0
                                                         1
                                                                2
                                                                       3
                                                                            4
                                                                                   5
p("Len=%d",i);
p("Rev is ");
while(i) printf("%c", s[--i]); strrev();
         or
for(i--; i>=0; i--) p(s[i]);
```

## Lower to upper / upper to lower:

```
File Edit
                    Run
                           Compile Project Options Debug Break/watch
       Line 10
                    Col 57 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
char s[100]; int i;
clrscr();
printf("Enter the string "); gets(s);
for(i=0;s[i]!='\0';i++)
if(s[i]>='a' && s[i]<='z') s[i]-=32; /* strupr() */
else if(s[i]>='A' && s[i]<='Z') s[i]+=32; /* strlwr() */_
printf("Converted string %s",s);
getch();
            ____ ^ \rangle \( \bar{\text{10}} \\ \operatorname{\text{0}} \\ \operatorname{\text{23-4}} \\ \operatorname{\text{23-4}} \end{ansatz}
```



Read a string and replace lower / upper / digit / space/ special char with @/#/\$/\*/^

```
- 0 X
               Col 23 Insert Indent Tab Fill Unindent * E:9AM.C
     Line 17
#include<stdio.h>
#include<conio.h>
void main()
{char s[100]; int i; clrscr();
printf("Enter the string "); gets(s);
for(i=0;s[i]!='\0';i++)
if(s[i]>='a' && s[i]<='z') s[i]='@';
else if(s[i]>='A' && s[i]<='Z') s[i]='#';
else if(s[i]>='0' && s[i]<='9') s[i]='$'; /* strlwr() */
else if(s[i]==' ') s[i]='*';
else s[i]='^';
printf("Converted string %s",s);
getch();
Enter the string Bahu Bali - 2
Converted string #@@@*#@@@*^*$_
△ 🖟 🛈 (I) and 10:29 Al
```

