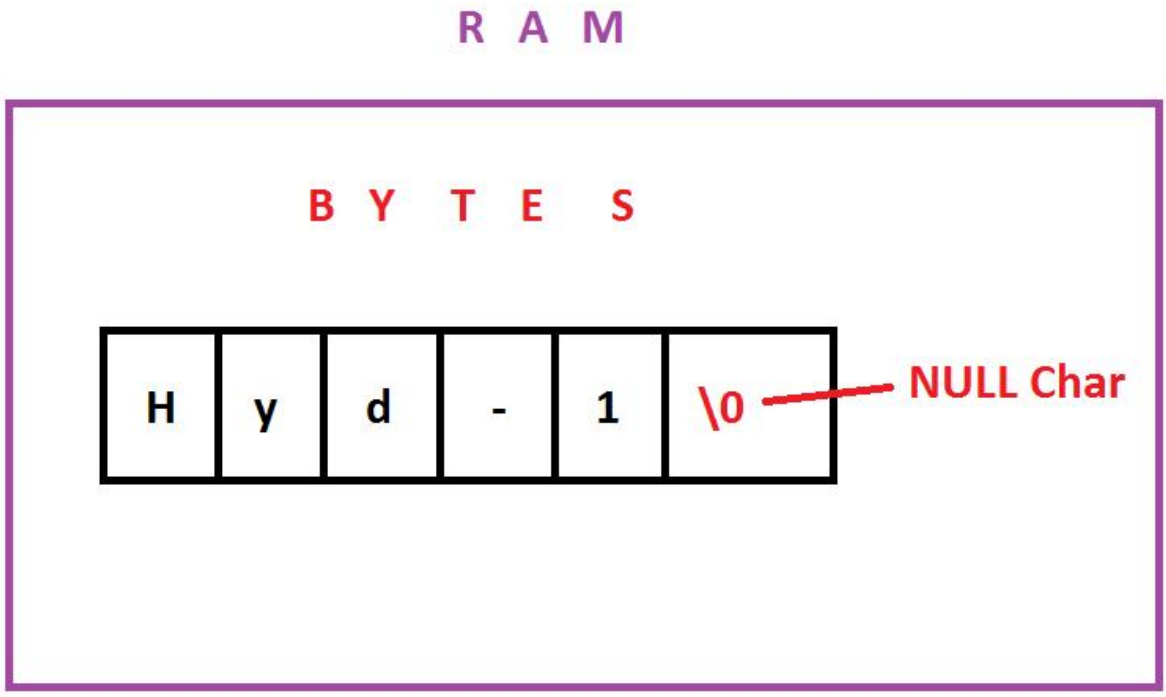
4 type of number formats:

1. Binary - %d
2. Decimal - %d
3. Octal - %o
4. Hexadecimal - %x

Strings:

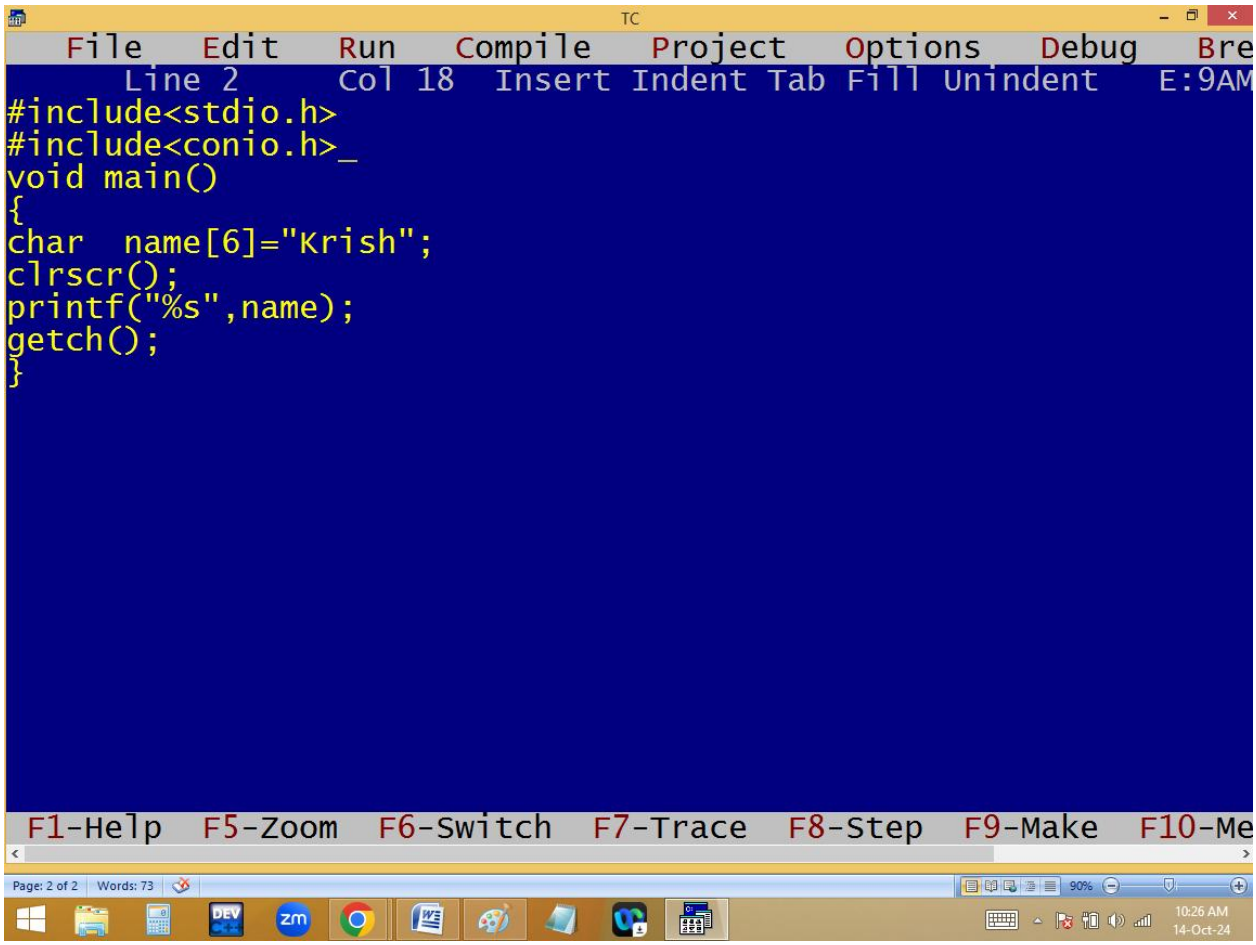
1. A group of characters is called string.
2. It is alpha-numeric. i.e. in a string we can store both alphabets, numbers and special characters.
   Eg: char city[6]=”Hyd-1”;

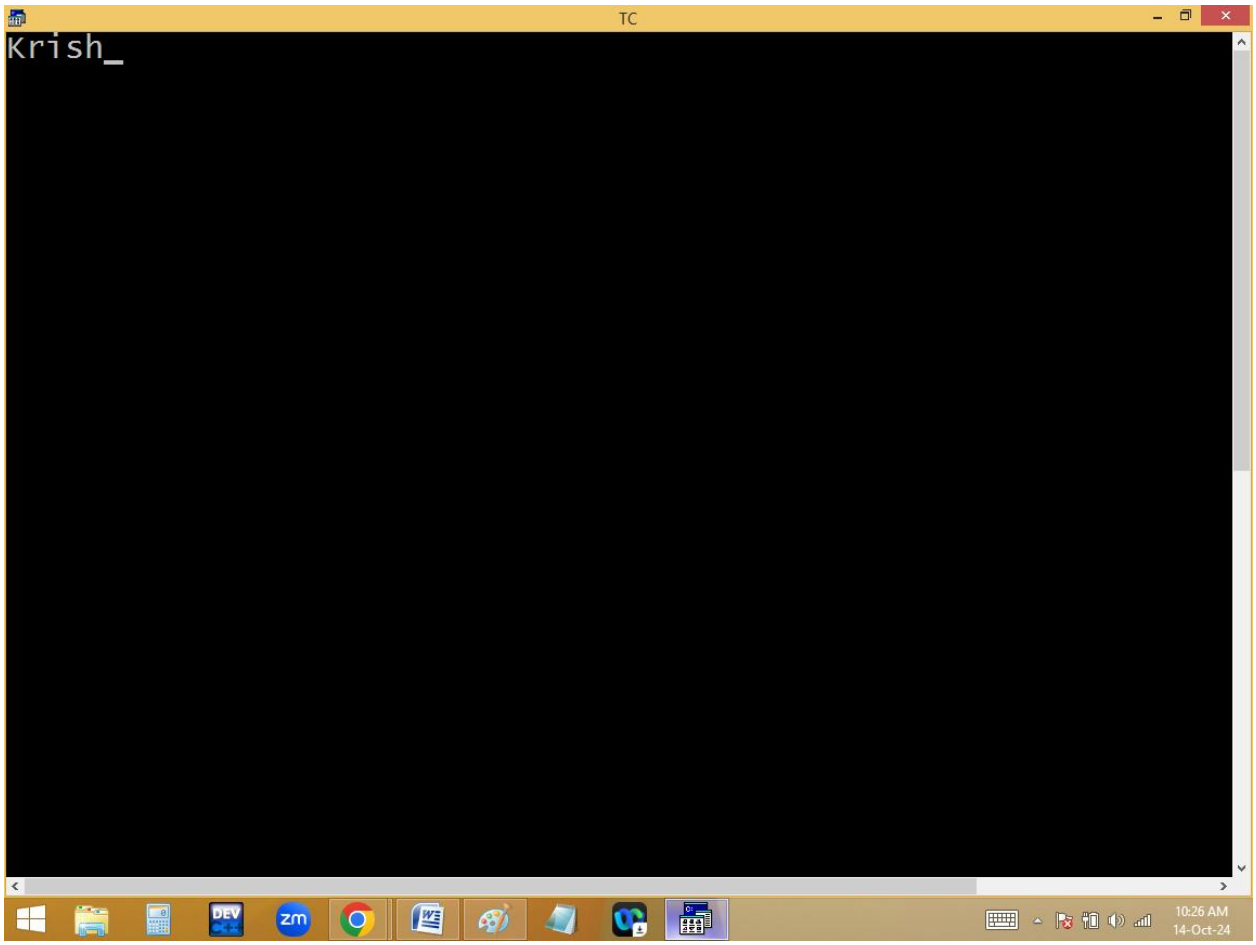
MEMORY ALLOCATION FOR STRING:

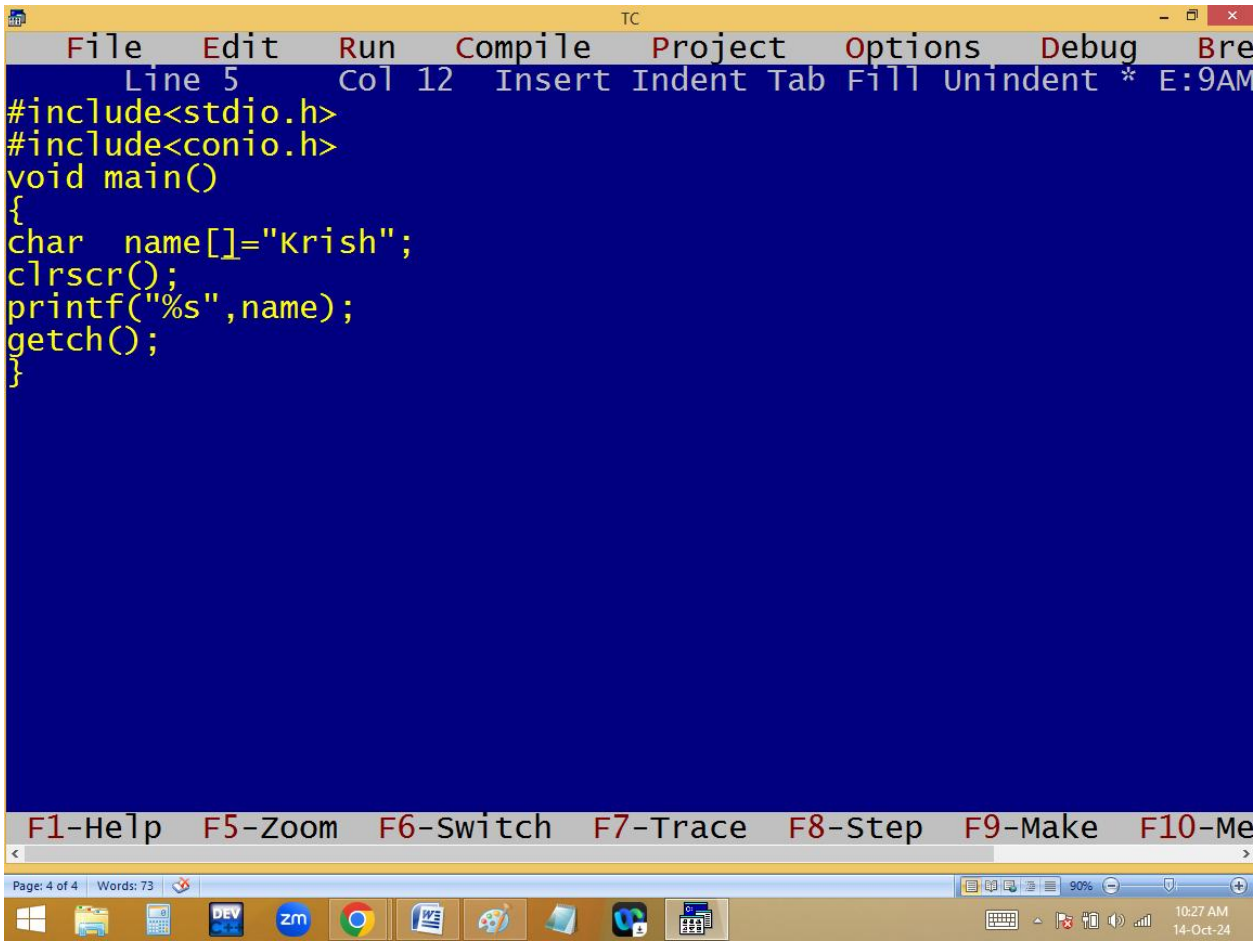


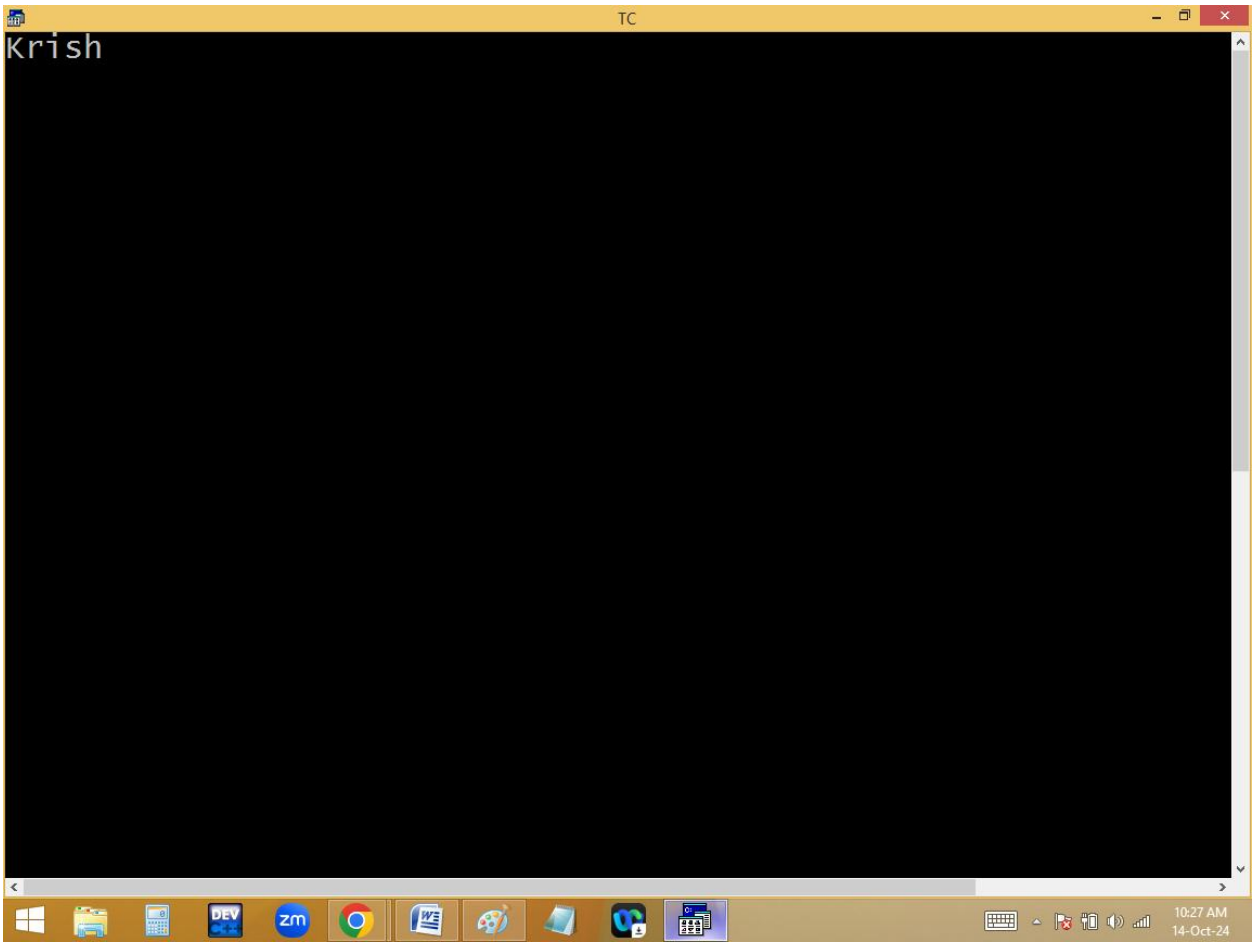
Note:

1. One byte should be left for NULL Char[\0]. Otherwise we are getting garbage values / Junk values.

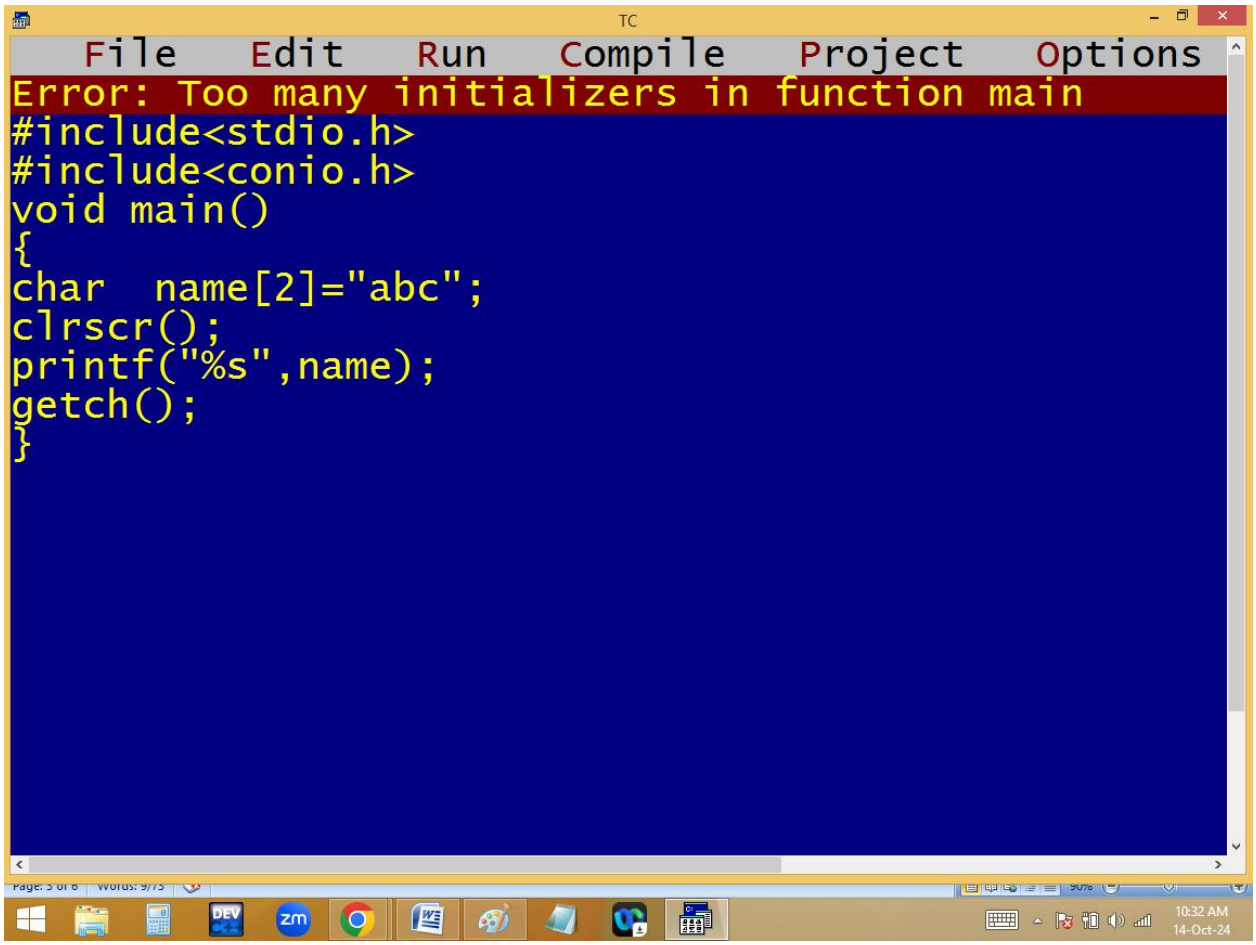

TC
File Edit Run Compile Project Options Debug Bre
Line 2 Col 18 Insert Indent Tab Fill Unindent E:9AM
#include<stdio.h>
#include<conio.h>
void main()
{
char name[6]="Krish";
clrscr();
printf("%s",name);
getch();
}
F1-Help F5-Zoom F6-Switch F7-Trace F8-Step F9-Make F10-Me
Page: 2 of 2
Words: 73
90%
10:26 AM
14-Oct-24


TC
Krish_
10:26 AM
14-Oct-24

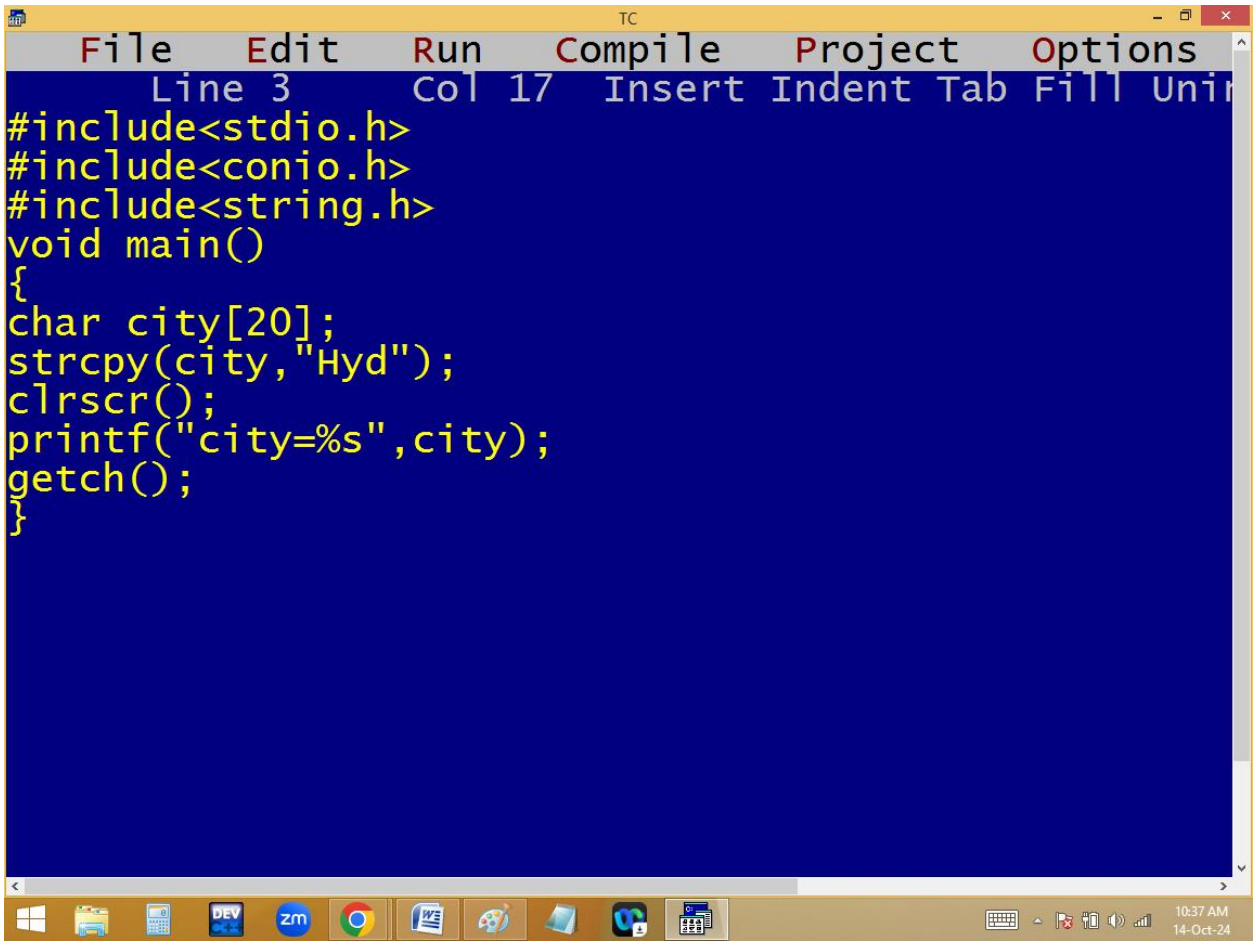

TC
File Edit Run Compile Project Options Debug Bre
Line 5 Col 12 Insert Indent Tab Fill Unindent * E:9AM
#include<stdio.h>
#include<conio.h>
void main()
{
char name[]="Krish";
clrscr();
printf("%s",name);
getch();
}
F1-Help F5-Zoom F6-Switch F7-Trace F8-Step F9-Make F10-Me
Page: 4 of 4
Words: 73
90%
10:27 AM
14-Oct-24

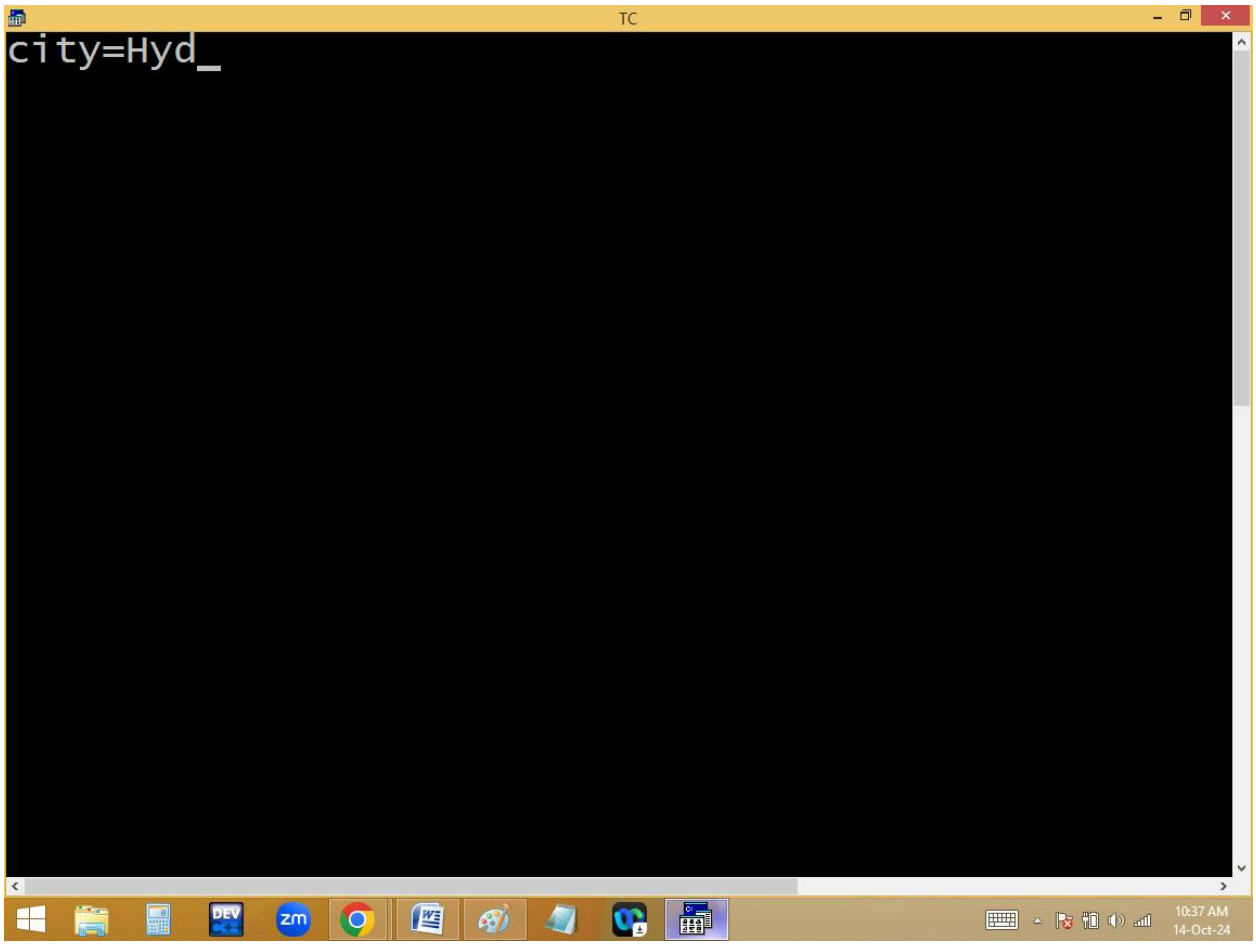


2. String variable size never smaller than string. Otherwise we are getting error.

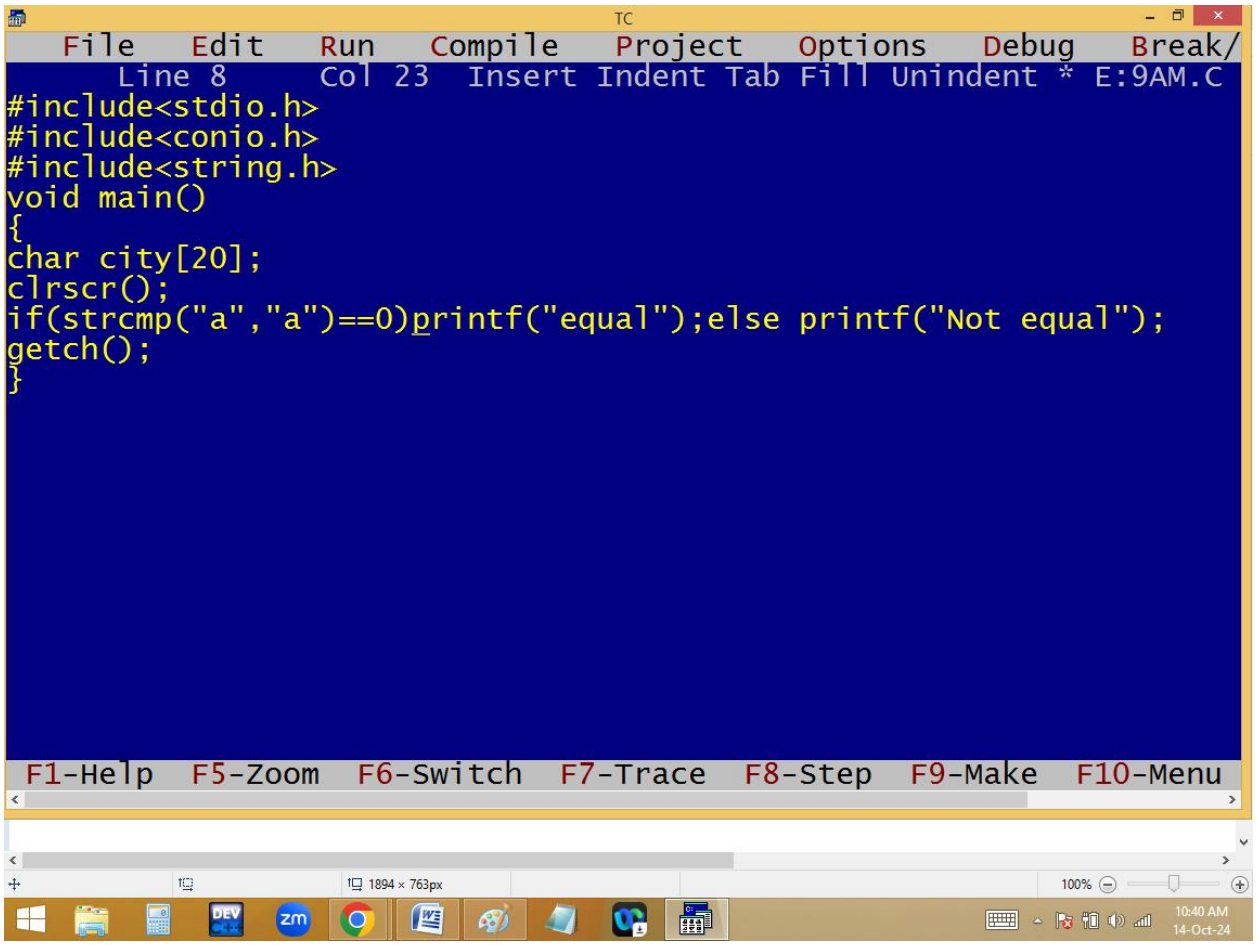


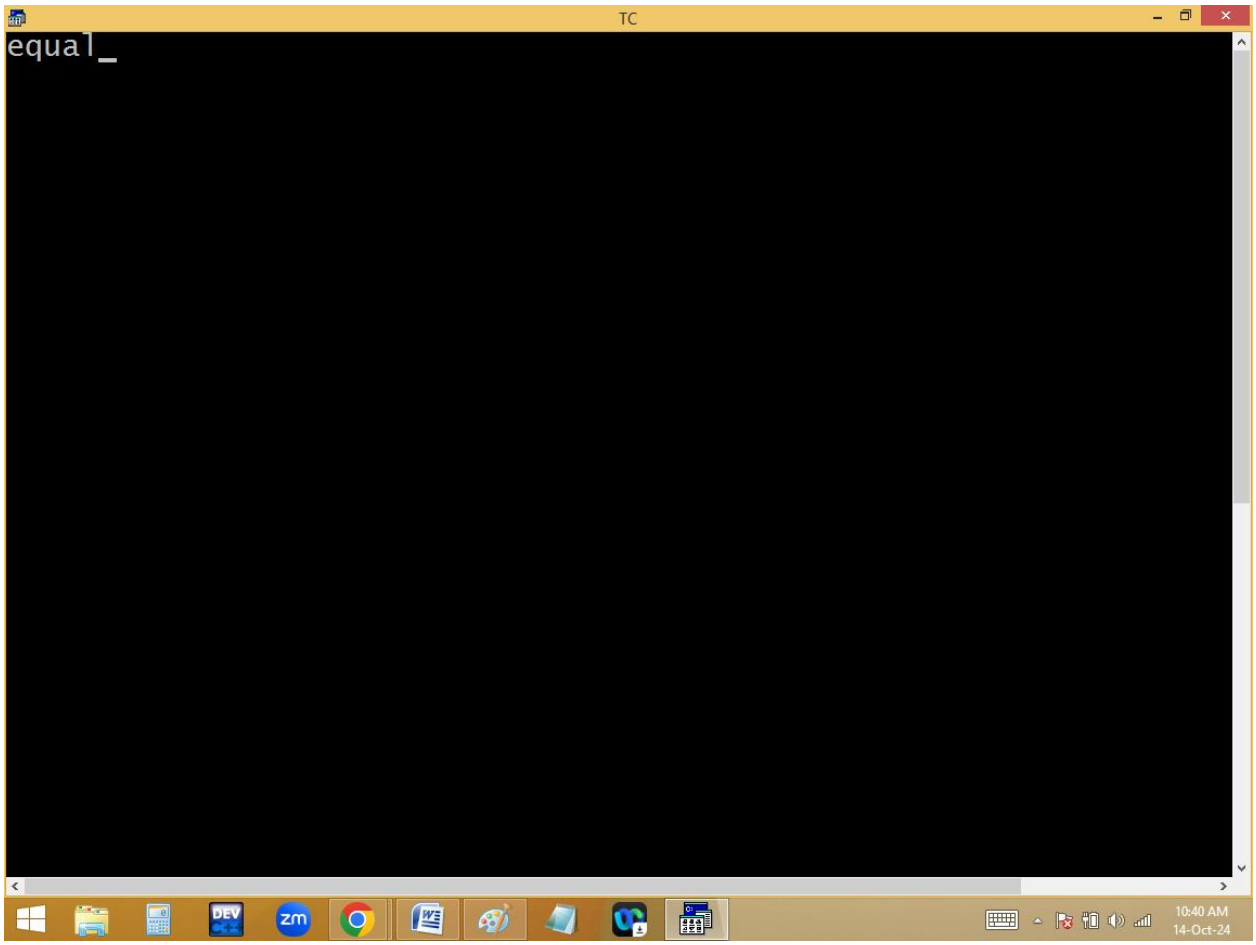
3. We can't copy a string into a string variable using = [assignment] operator. We have to use strcpy() for this.


TC
File Edit Run Compile Project Options
Line 3 Col 17 Insert Indent Tab Fill Unin
#include<stdio.h>
#include<conio.h>
#include<string.h>
void main()
{
char city[20];
strcpy(city,"Hyd");
clrscr();
printf("city=%s",city);
getch();
}
10:37 AM
14-Oct-24



4. We can’t compare two strings with comparison operator [==]. We have to use strcmp().


TC
File Edit Run Compile Project Options Debug Break/
Line 8 Col 23 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
#include<string.h>
void main()
{
char city[20];
clrscr();
if(strcmp("a","a")==0)printf("equal");else printf("Not equal");
getch();
}
F1-Help F5-Zoom F6-Switch F7-Trace F8-Step F9-Make F10-Menu
1894 × 763px
100%
10:40 AM
14-Oct-24


TC
equal
10:40 AM
14-Oct-24