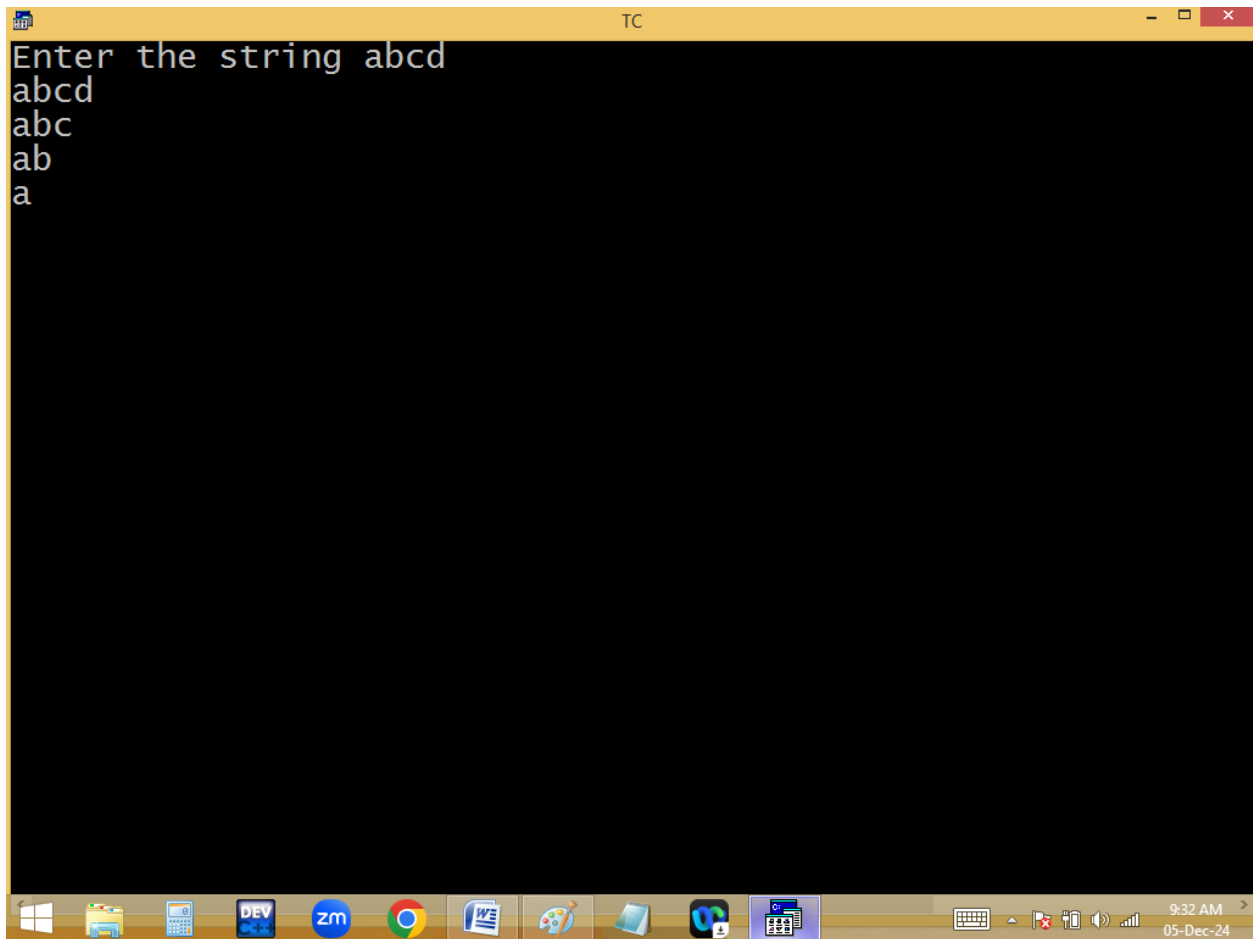


The image shows a screenshot of the Turbo C++ (TC) IDE. The window title is "TC". The menu bar includes File, Edit, Run, Compile, Project, Options, and Debug. The status bar at the top indicates "Line 12 Col 1" and lists actions: Insert, Indent, Tab, Fill, Unindent, and E. The code is written in yellow text on a blue background. It includes `<stdio.h>` and `<conio.h>`, defines a `main` function, declares a character array `s` of size 100, and uses `clrscr()` to clear the screen. It prompts the user to "Enter the string " and reads the input into `s` using `gets(s)`. A `for` loop calculates the length of the string, and another `for` loop prints the string in reverse order. The code ends with `getch()` and a closing brace for `main`. The bottom of the window features a toolbar with icons for various functions and a status bar showing the time as 9:32 AM on 05-Dec-24.

```
File Edit Run Compile Project Options Debug
Line 12 Col 1 Insert Indent Tab Fill Unindent E
#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++) ; /* strlen */
for( ; i>0; i--, s[i]='\0')puts(s);
getch();
}
```

F1-Help F5-Zoom F6-Switch F7-Trace F8-Step F9-Make F10-Run

9:32 AM  
05-Dec-24



for( i=0; s[i]!='\0';i++) ; len = 4

for( ; i>0; i--, s[i]='\0') puts(s);



65500 to \0 ==> abcd

65500 to \0 ==> abc

65500 to \0 ==> ab

65500 to \0 ==> a

65500

s	a	b	c	d	\0	
	0	1	2	3	4	

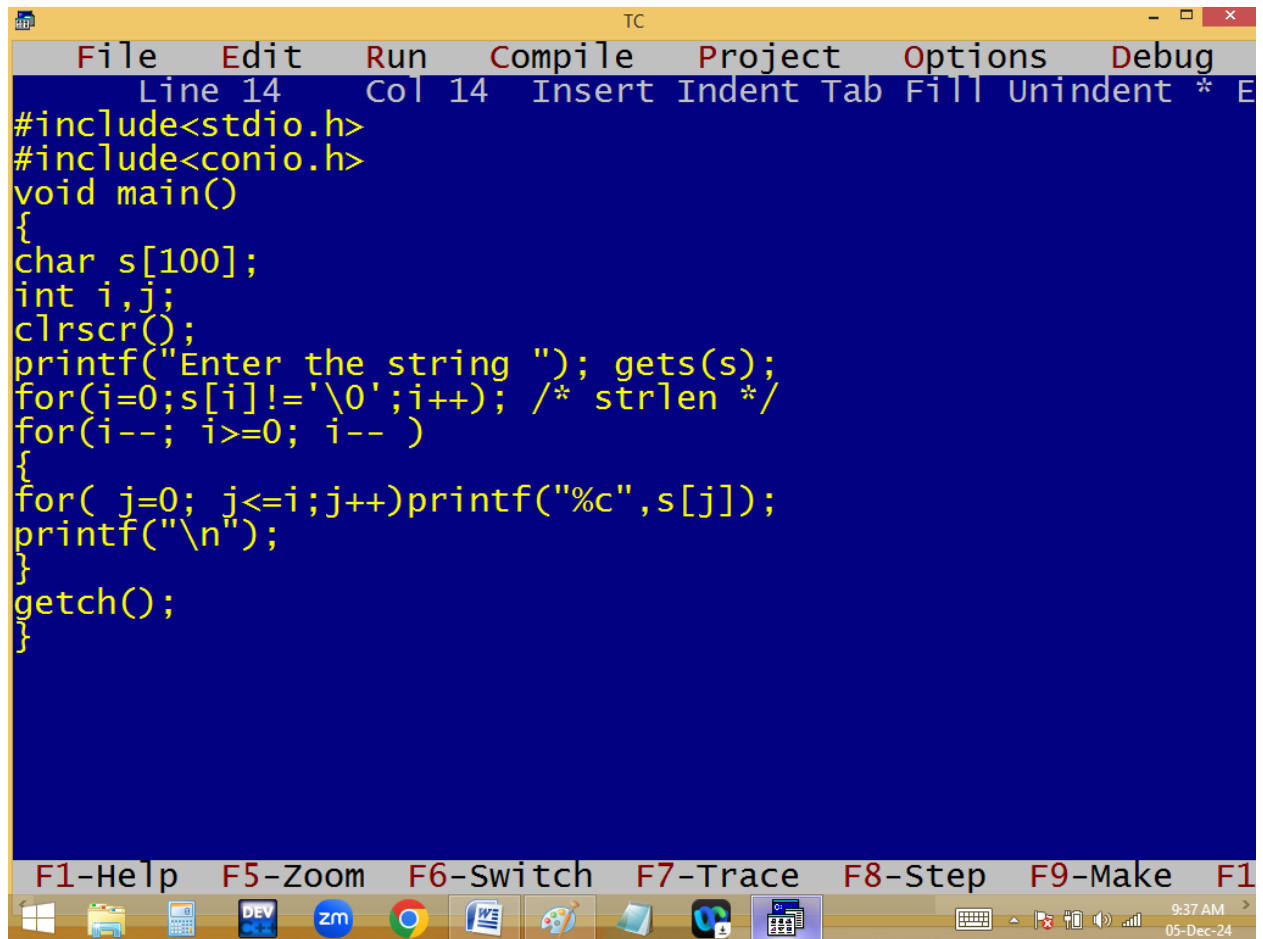
i  
4

3

2

1  
0

Method2:



```
TC
File Edit Run Compile Project Options Debug
Line 14 Col 14 Insert Indent Tab Fill Unindent * E
#include<stdio.h>
#include<conio.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(i--; i>=0; i-- )
{
for( j=0; j<=i;j++)printf("%c",s[j]);
printf("\n");
}
getch();
}
```

F1-Help F5-Zoom F6-Switch F7-Trace F8-Step F9-Make F10-Exit

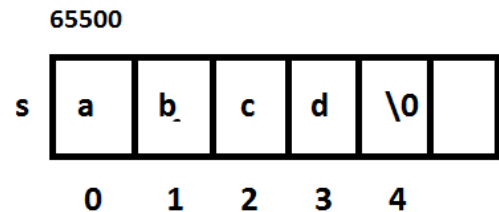
9:37 AM  
05-Dec-24

```
TC
Enter the string asha
asha
ash
as
a
```

```
for( i=0; s[i]!='\0'; i++) ; len = 4
```

```
for( i--; i >= 0; i--)
```

```
{
  for( j=0; j <= i; j++ ) p(s[j]);
  p("\n");
}
```

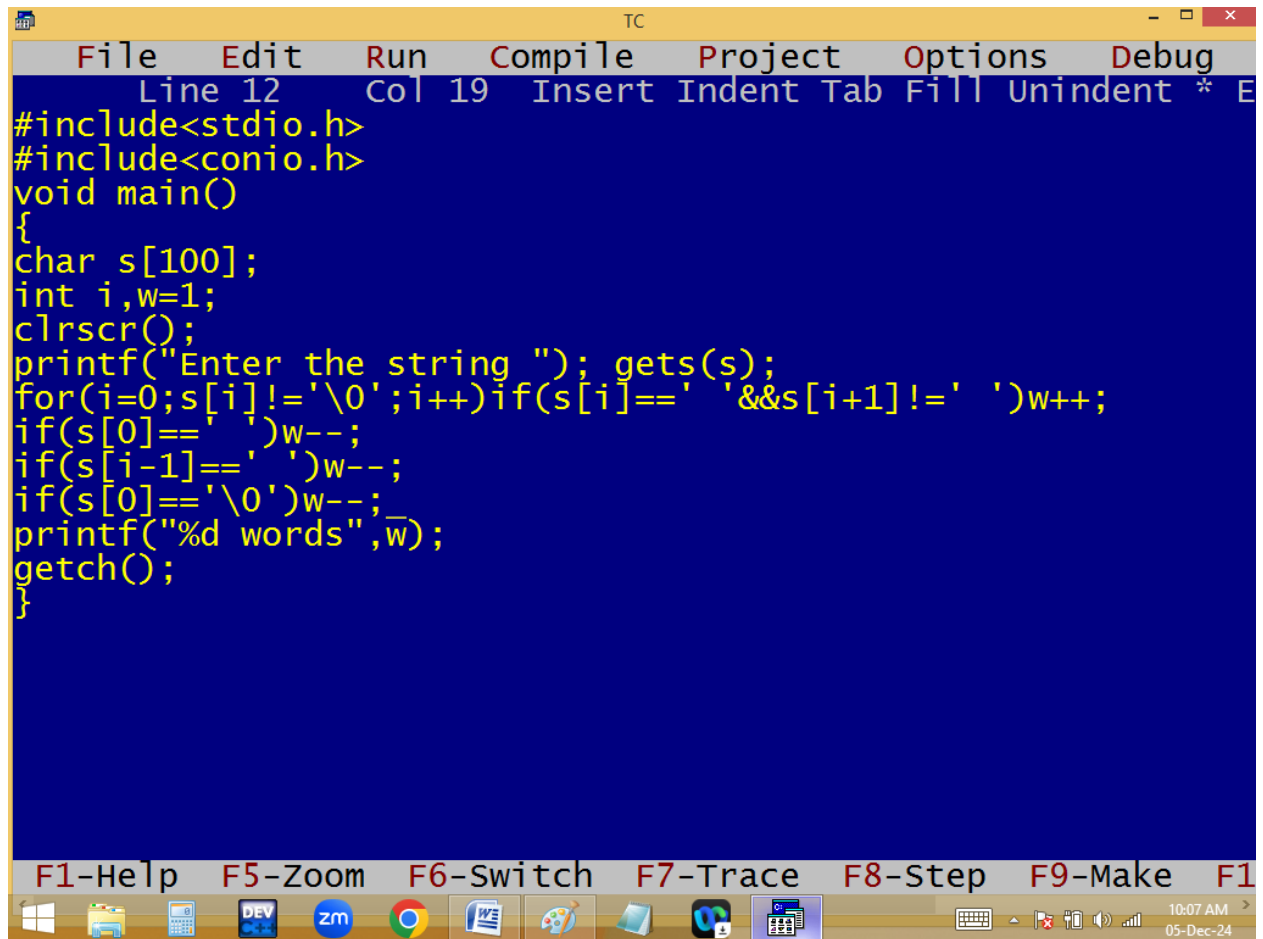


j      i  
          4

0 to 3 = abcd  
0 to 2 = abc  
0 to 1 = ab  
0 to 0 = a

**Finding no of words:**

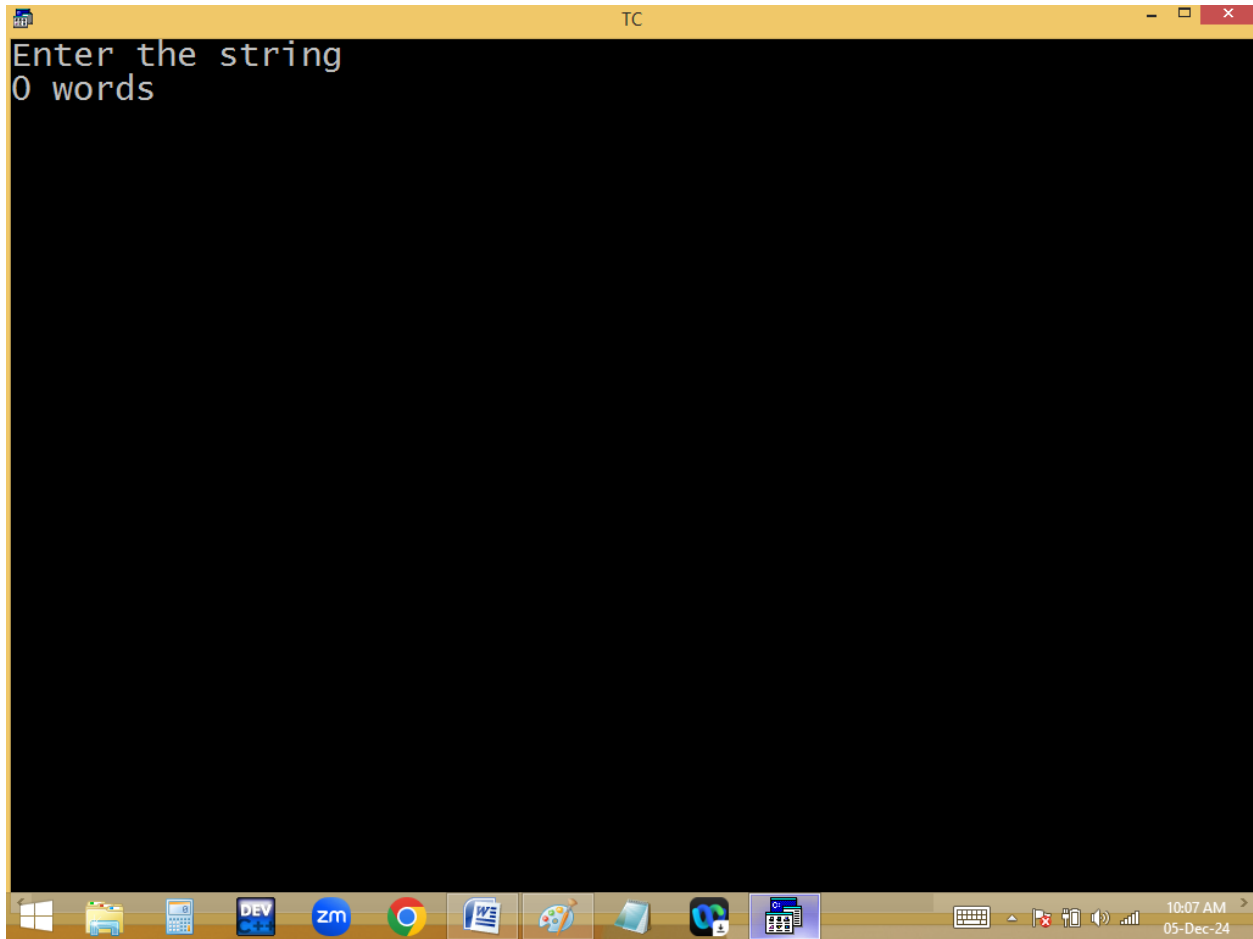
Jaanu I miss you → 4 words

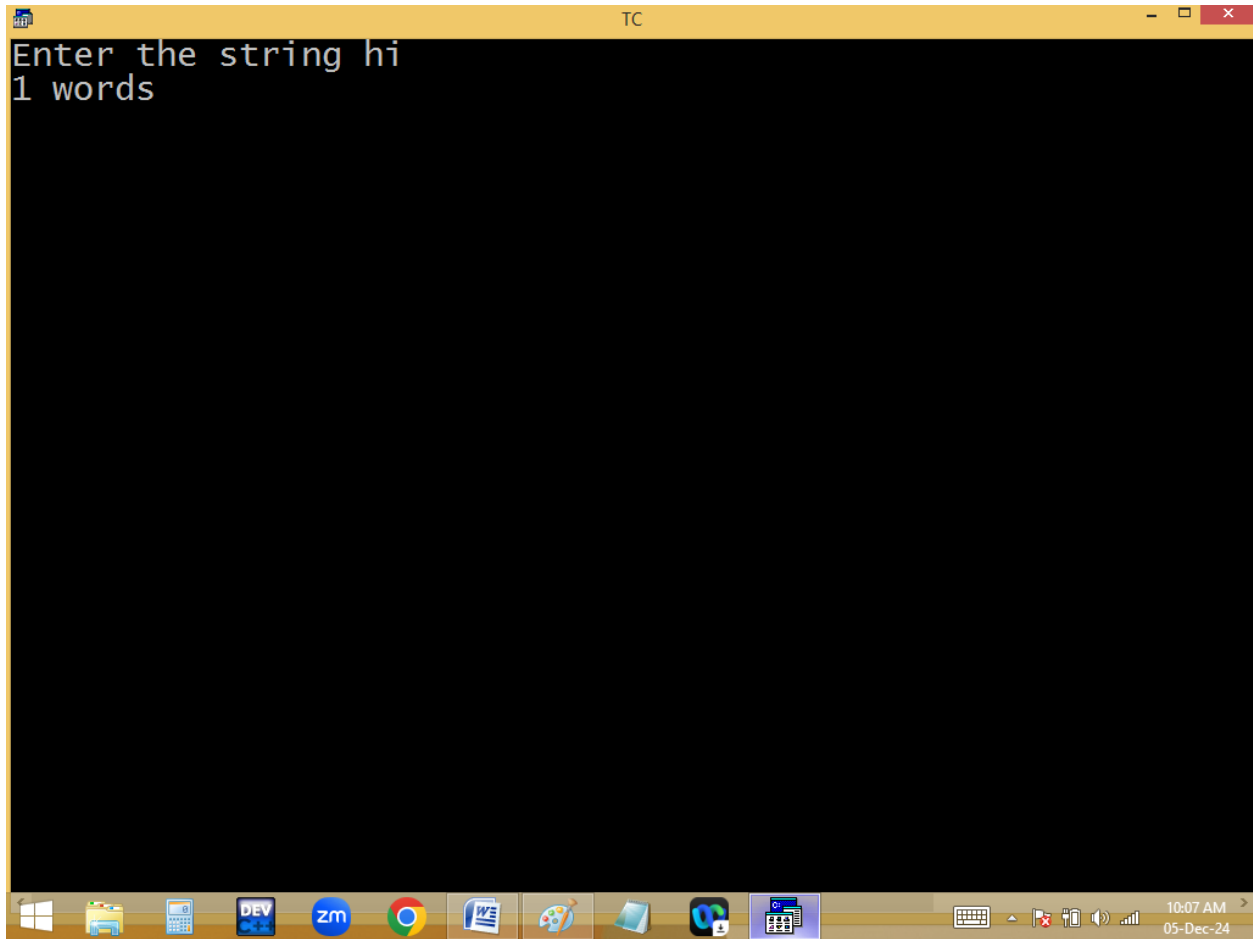


The image shows a screenshot of the Turbo C++ (TC) IDE. The window title is "TC". The menu bar includes "File", "Edit", "Run", "Compile", "Project", "Options", and "Debug". The status bar at the top indicates "Line 12", "Col 19", and "Insert Indent Tab Fill Unindent \* E". The code is written in yellow text on a blue background. It includes headers for `stdio.h` and `conio.h`, and defines a `main` function. Inside `main`, a character array `s` of size 100 is declared, and variables `i` and `w` are initialized to 0 and 1 respectively. The screen is cleared with `clrscr()`. A `printf` statement prompts the user to "Enter the string". The string is read using `gets(s)`. A `for` loop iterates through the string, incrementing `i` and checking for spaces to increment the word counter `w`. After the loop, `printf` displays the word count, and `getch()` is used to pause the program before exiting.

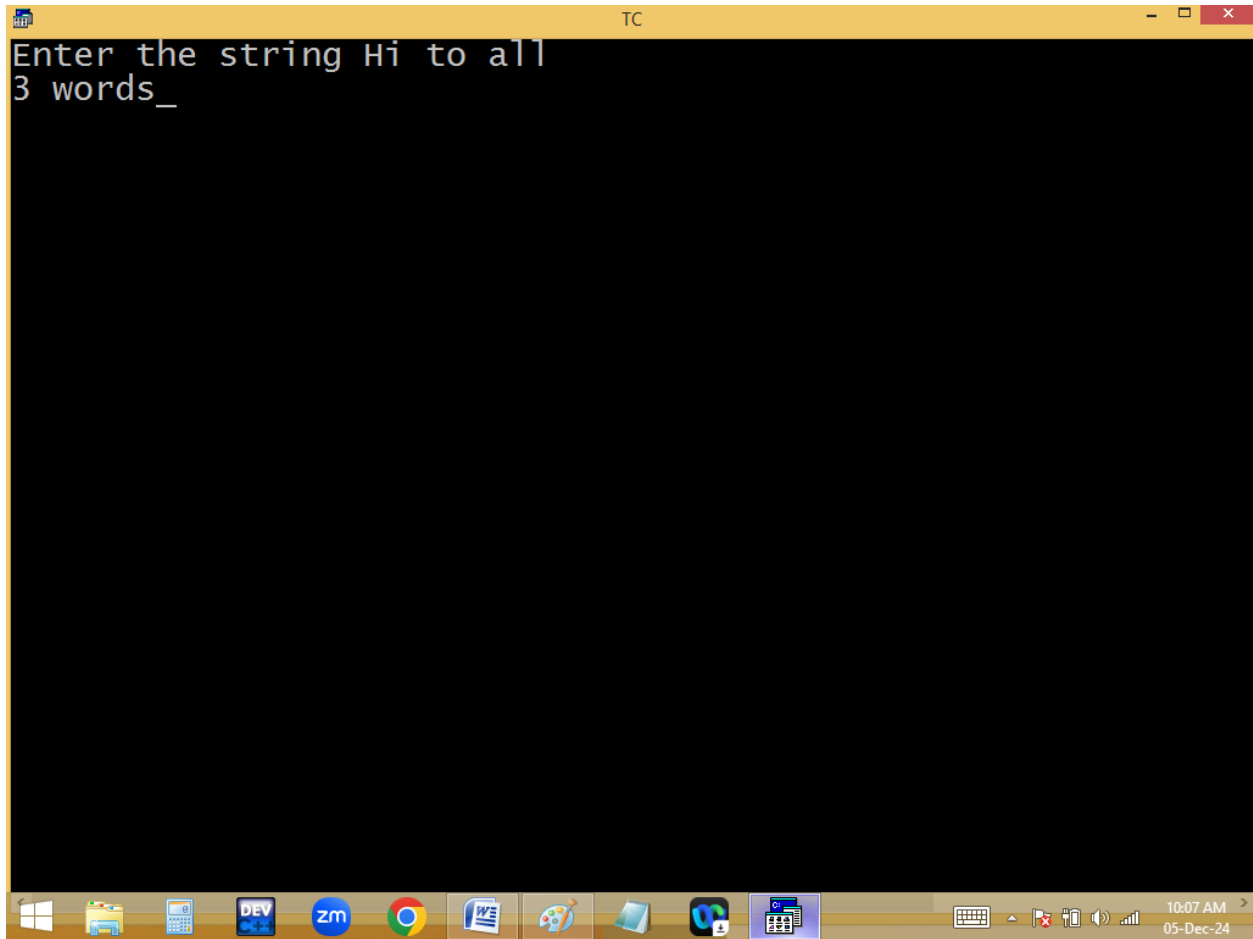
```
#include<stdio.h>
#include<conio.h>
void main()
{
char s[100];
int i,w=1;
clrscr();
printf("Enter the string "); gets(s);
for(i=0;s[i]!='\0';i++)if(s[i]==' ' && s[i+1]!=' ')w++;
if(s[0]==' ')w--;
if(s[i-1]==' ')w--;
if(s[i]=='\0')w--;
printf("%d words",w);
getch();
}
```

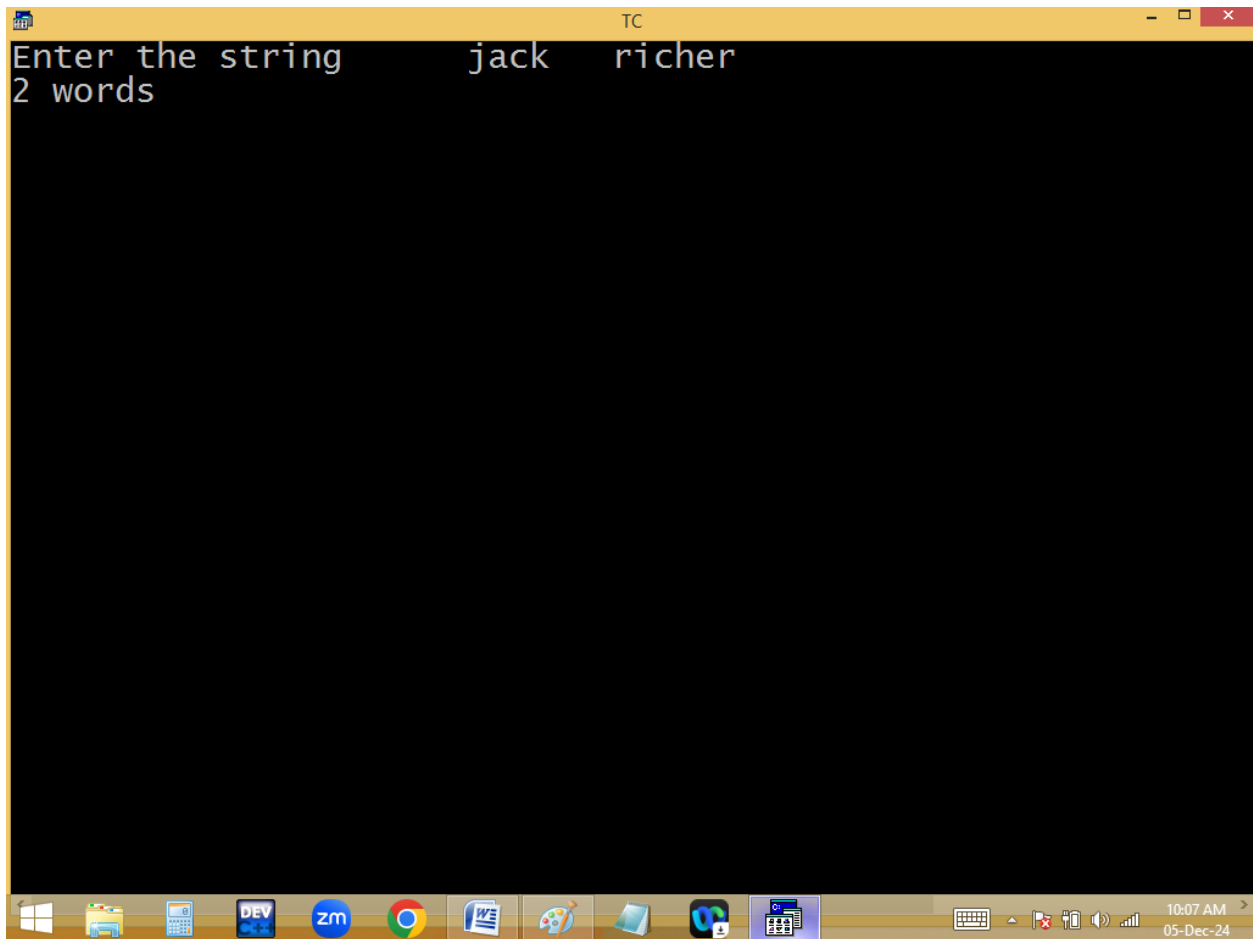
The bottom of the window features a toolbar with icons for various functions and a status bar showing the time as 10:07 AM on 05-Dec-24. The status bar also includes function key shortcuts: F1-Help, F5-Zoom, F6-Switch, F7-Trace, F8-Step, F9-Make, and F10-Exit.









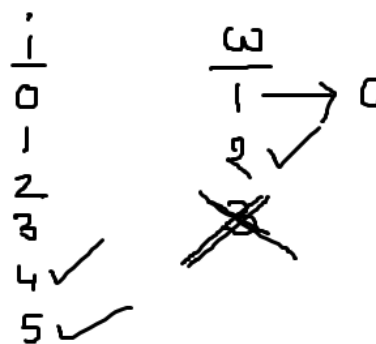
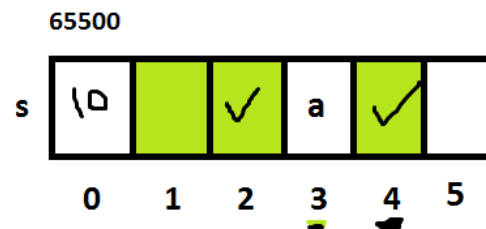


```

for( i=0; s[i]!='\0';i++)
if( s[i]==' ' && s[i+1]!=' ')w++;
if(s[i-1]==' ')w--;
if(s[0]==' ')w--;

p(w);

```

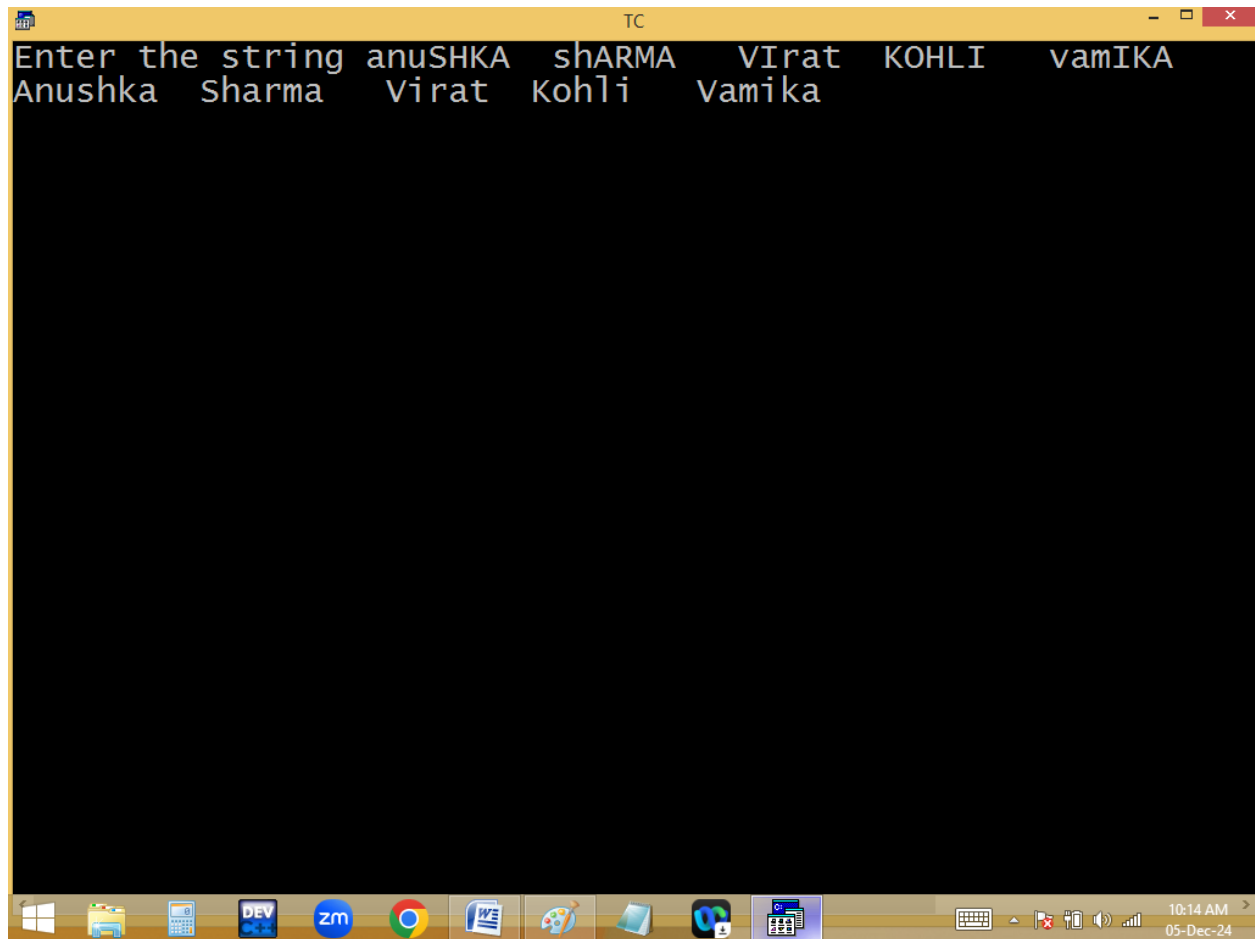


**Title case [ Capitalize Each Word ]:**

```
TC
File Edit Run Compile Project Options Debug
Line 14 Col 1 Insert Indent Tab Fill Unindent * E
#include<stdio.h>
#include<conio.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]>='a' && s[i+1]<='z')s[i+1]-=32;
printf(s);
getch();
}
```

F1-Help F5-Zoom F6-Switch F7-Trace F8-Step F9-Make F10-Run

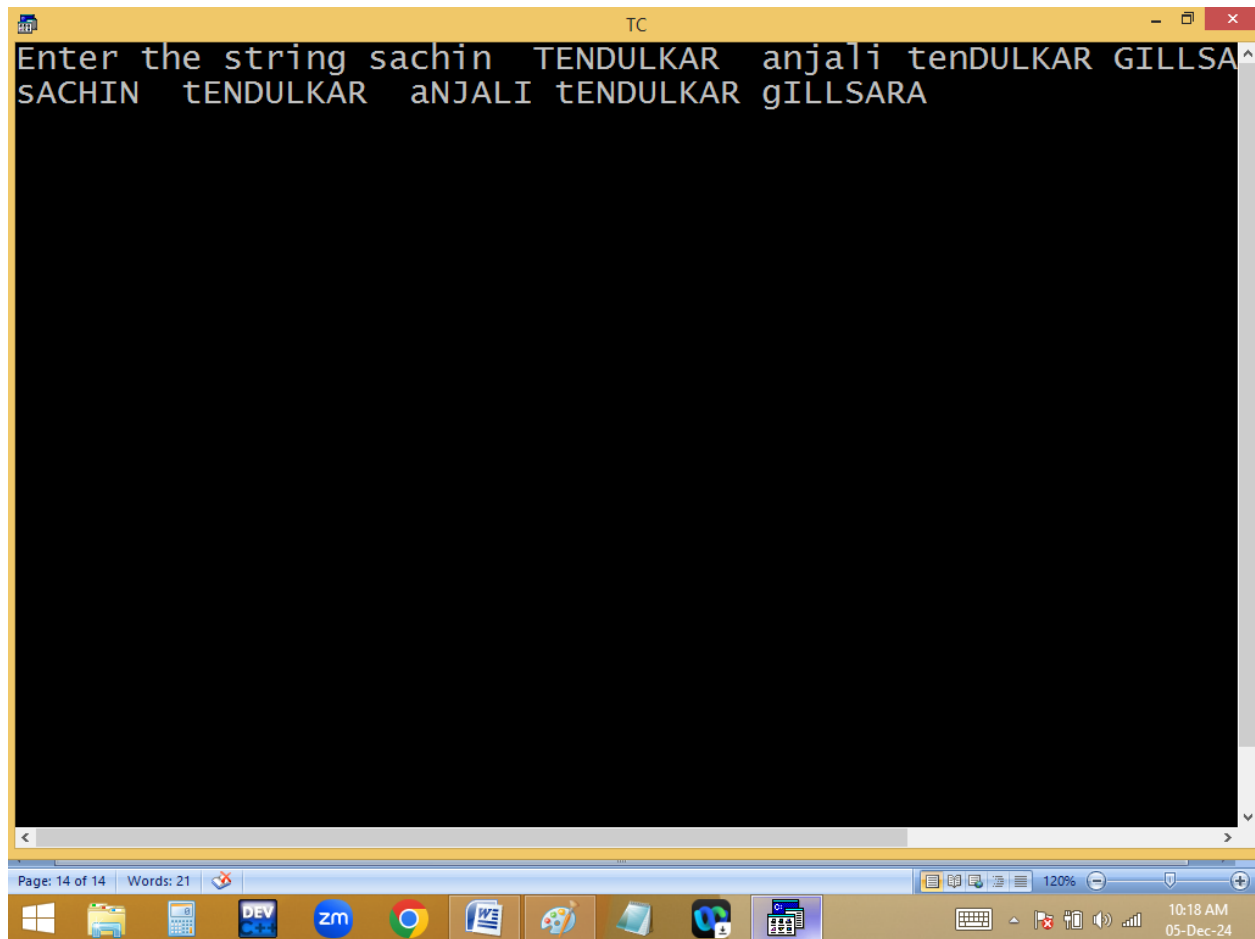
10:14 AM  
05-Dec-24



**tOGGLE cASE:**

```
TC
File Edit Run Compile Project Options Debug
Line 13 Col 49 Insert Indent Tab Fill Unindent *
#include<stdio.h>
#include<conio.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; /* upper */
if(s[0]>='A' && s[0]<='Z')s[0]+=32;
for(i=1;s[i]!='\0';i++)
if(s[i]==' ' && s[i+1]>='A' && s[i+1]<='Z')s[i+1]+=32;
printf(s);
getch();
}
```

Page: 13 of 13 Words: 21 120% 10:18 AM 05-Dec-24

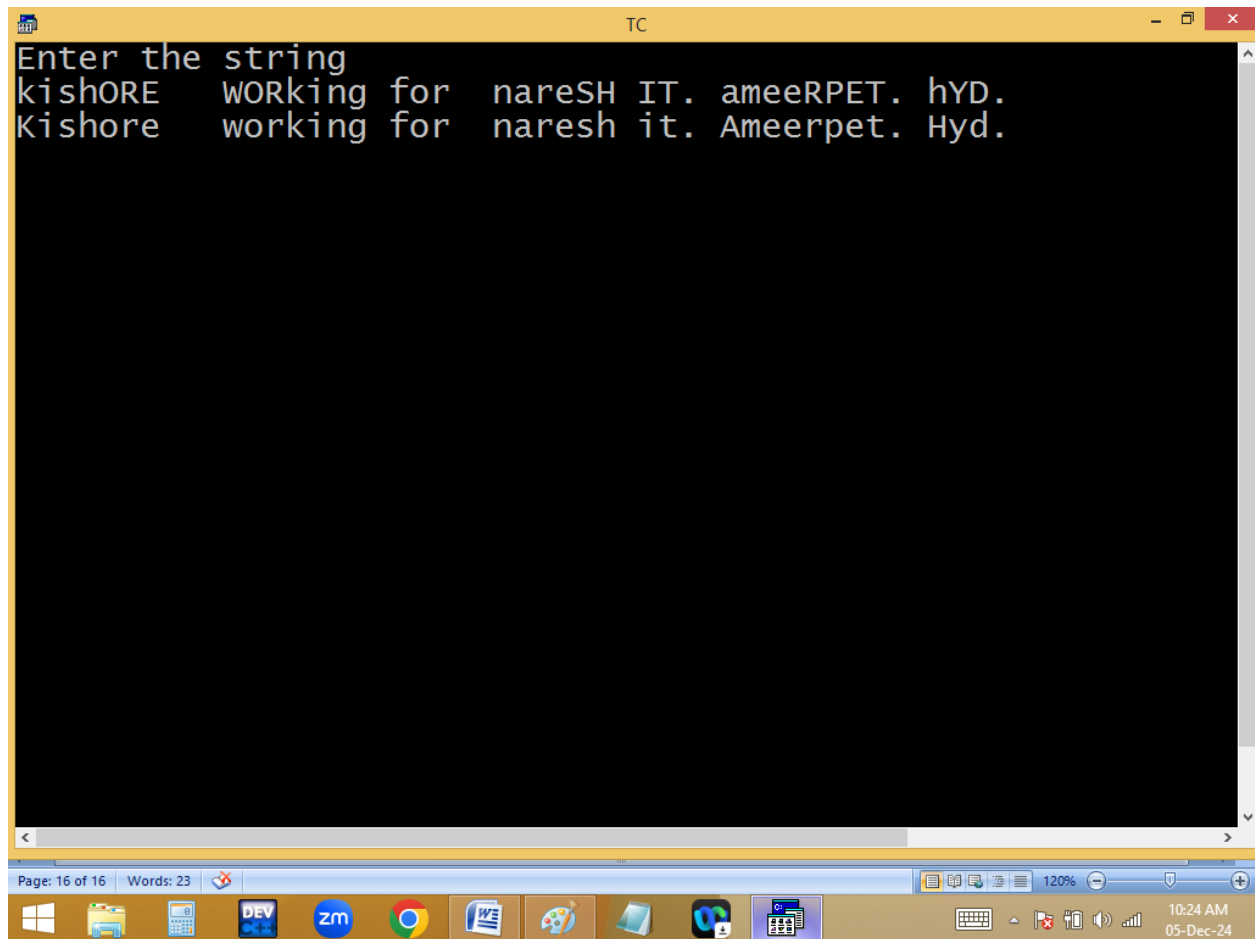


**Sentense case:**

```
TC
File Edit Run Compile Project Options Debug
Line 8 Col 5 Insert Indent Tab Fill Unindent *
#include<stdio.h>
#include<conio.h>
void main()
{
char s[100];
int i,w=1;
clrscr();
puts("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();
}
```

Page: 15 of 15 Words: 29 120% 10:23 AM 05-Dec-24





**Captcha code generation:**

```
TC
File Edit Run Compile Project Options Debug
Line 21 Col 37 Insert Indent Tab Fill Unindent *
#include<stdio.h> #include<conio.h> #include<stdlib.h>
void main()
{
char s[20],sp[]="~@#$*=",ch; int n,i;
clrscr();
while(1)
{
randomize();
for(i=0;i<5;i++)
{
n=random(4);
if(n==0)s[i]=random(26)+97;
else if(n==1)s[i]=random(26)+65;
else if(n==2)s[i]=random(10)+48;
else s[i]=sp[random(6)];
}s[i]='\0';
printf("Captcha=%s\n",s);flushall();
printf("Refresh captcha[y/n]");scanf("%c",&ch);
if(ch=='n' || ch=='N')break;
}
}
```

1894 x 763px 100%

10:47 AM 05-Dec-24

