

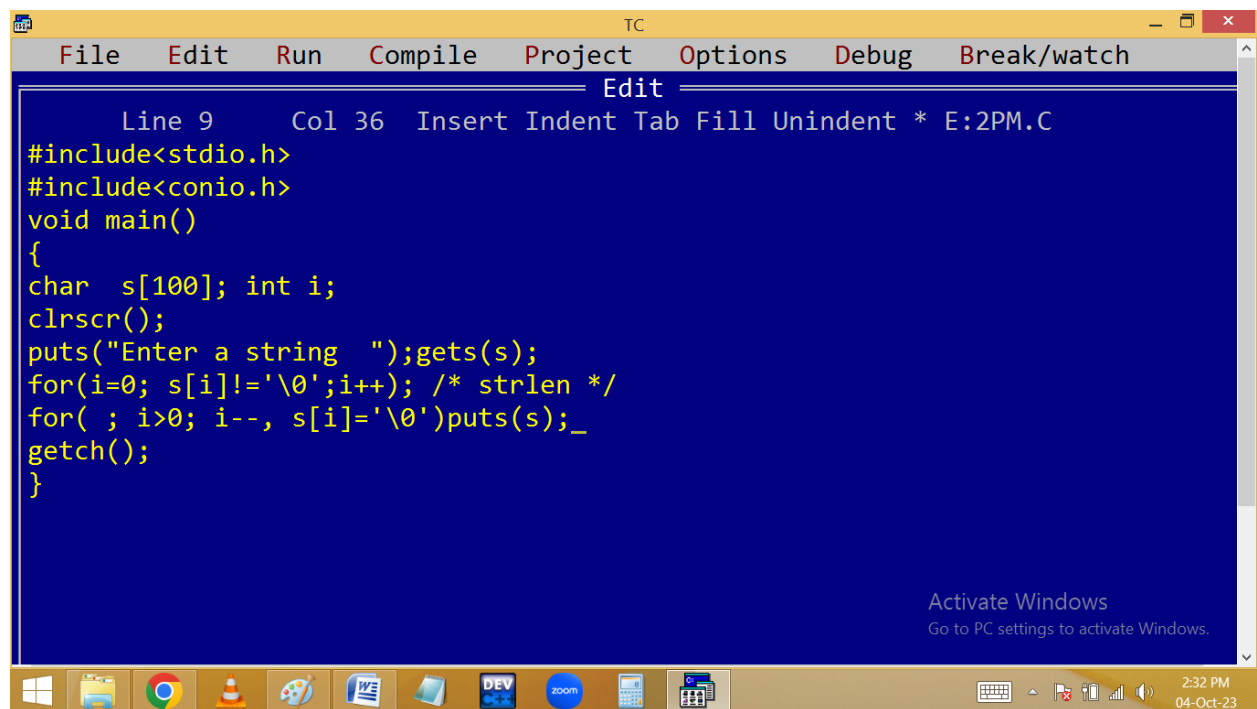
Usha

Usha

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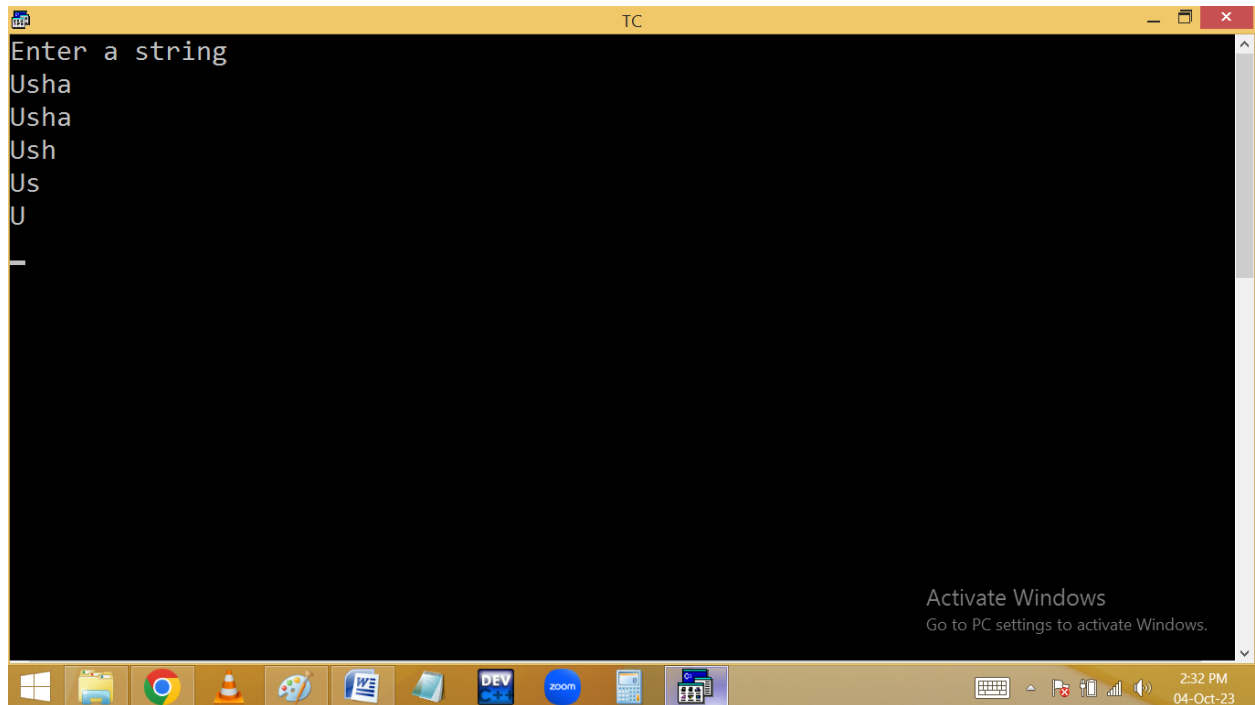
U



The image shows a screenshot of a Turbo C++ (TC) IDE window. The window has a menu bar with options: File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. Below the menu bar is a toolbar with icons for various editing and execution functions. The main editing area has a dark blue background with white text. The code is as follows:

```
Line 9      Col 36  Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
char  s[100]; int i;
clrscr();
puts("Enter a string  ");gets(s);
for(i=0; s[i]!='\0';i++); /* strlen */
for( ; i>0; i--, s[i]='\0')puts(s);_
getch();
}
```

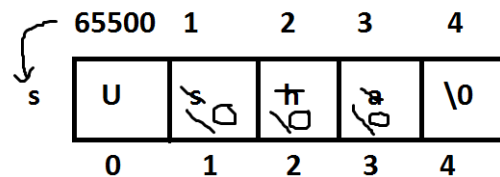
At the bottom of the window, there is a status bar with the text "Activate Windows" and "Go to PC settings to activate Windows." The taskbar at the very bottom shows various application icons, including Windows Explorer, Google Chrome, VLC media player, Paint, Word, and others. The system clock in the bottom right corner shows the time as 2:32 PM on 04-Oct-23.



```
for(i=0; s[i]!='\0'; i++); /* strlen-4 */
```

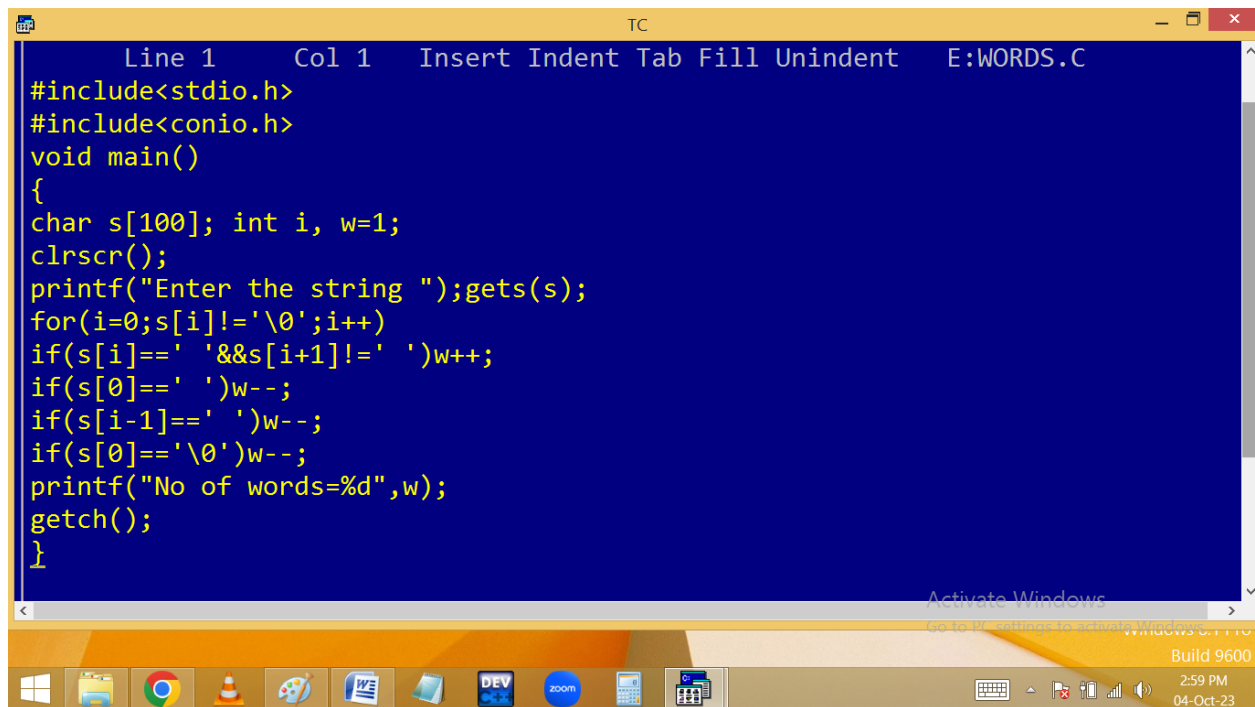
```
for( ; i>0; i-- , s[i]='\0'); puts(s);
```

↓  
 65500 to 1 Usha  
 65500 to 2 Ush  
 65500 to 3 Us  
 65500 to 0 U

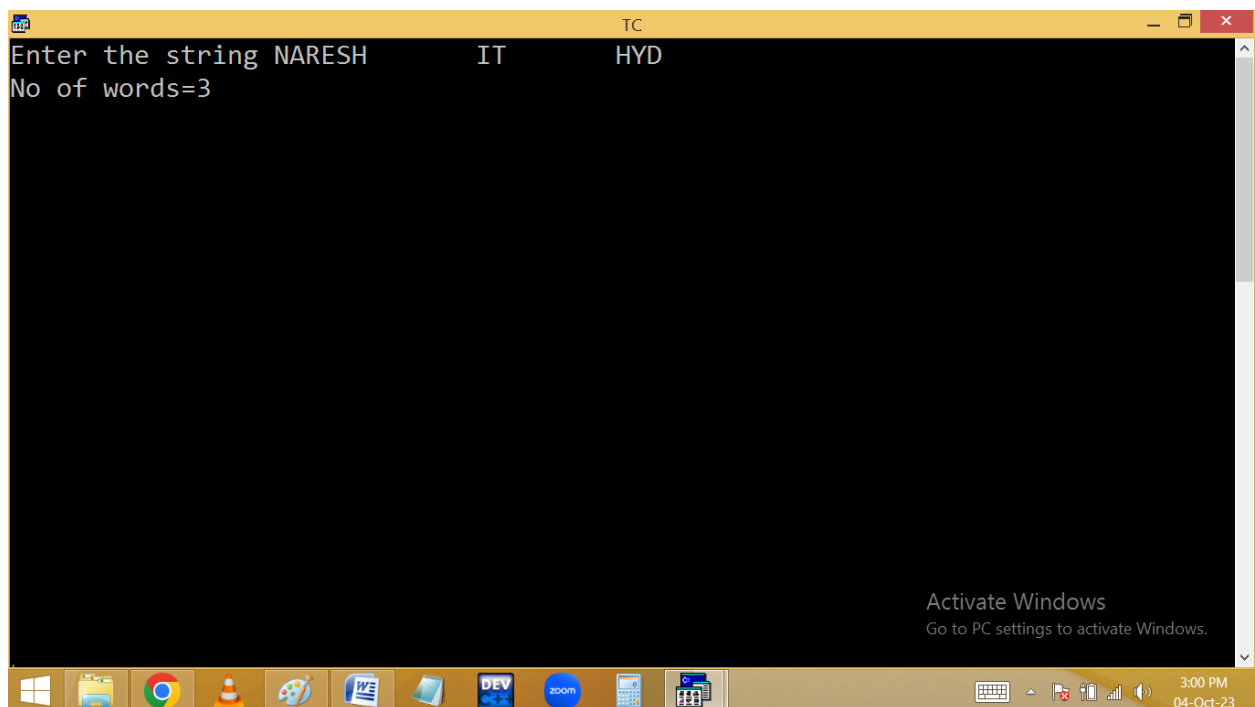


**Finding no of words in given string:**

**Jaanu I miss you → 4 words**



```
TC
Line 1 Col 1 Insert Indent Tab Fill Unindent E:WORDS.C
#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("No of words=%d",w);
getch();
}
```



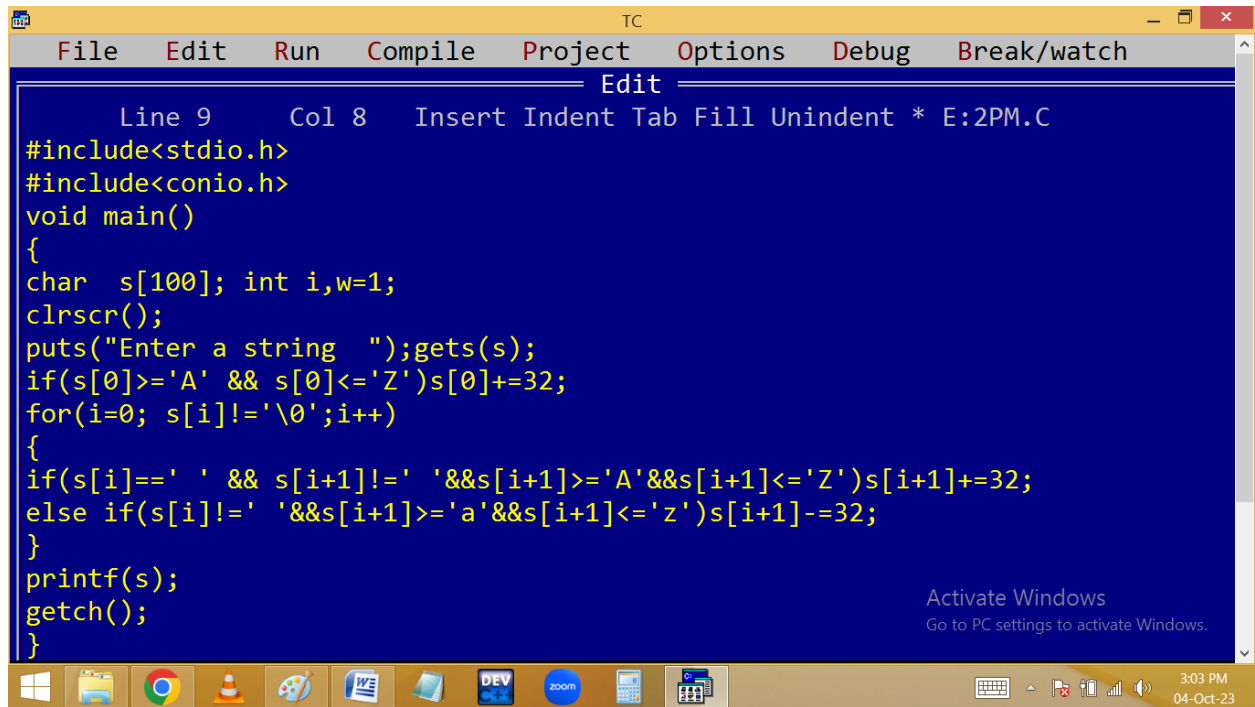
```
TC
Enter the string NARESH IT HYD
No of words=3
```

**Title Case: [ every word first letter capital ]**

```
TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 1 Col 2 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
char s[100]; int i,w=1;
clrscr();
puts("Enter a string ");gets(s);
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;
else if(s[i]!=' ' && s[i+1]>='A' && s[i+1]<='Z')s[i+1]+=32;
}
printf(s);
getch();
}
```

```
TC
Enter a string
NARESH IT HYD
NAresh It Hyd
```

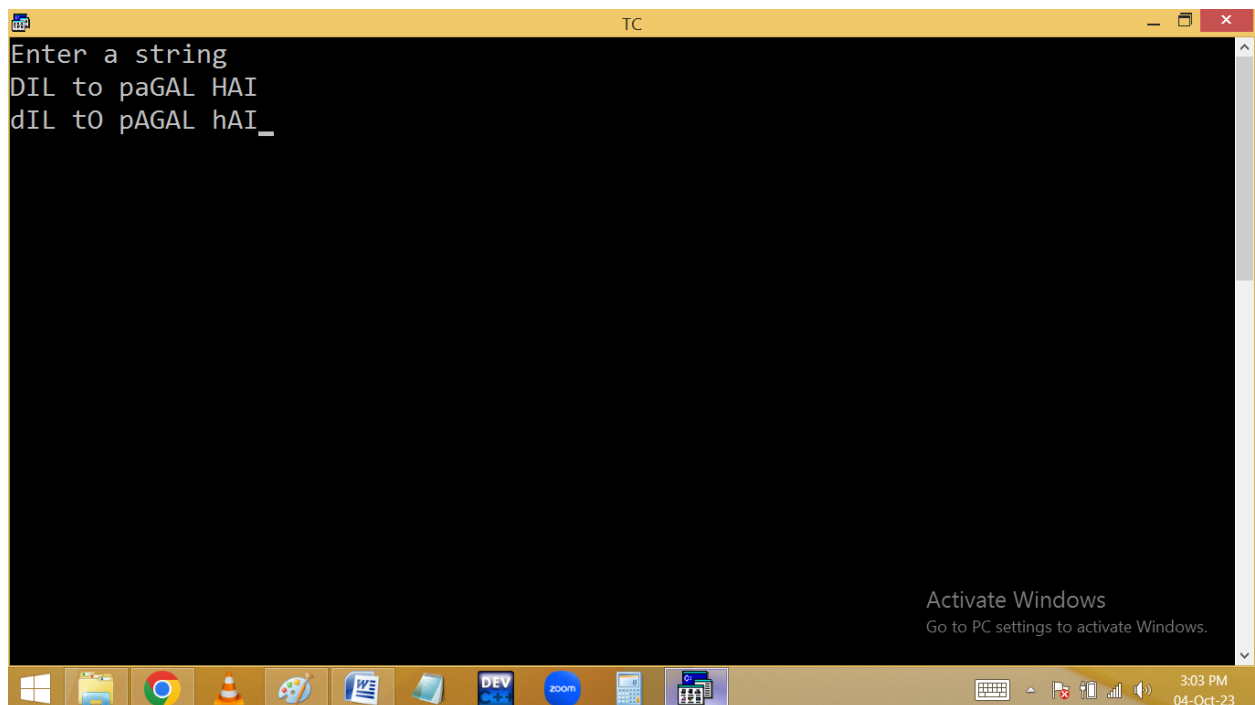
tOGGLE cASE:



The screenshot shows the Turbo C++ (TC) IDE with a menu bar (File, Edit, Run, Compile, Project, Options, Debug, Break/watch) and a toolbar. The main window is titled "Edit" and contains the following C code:

```
Line 9 Col 8 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
char s[100]; int i,w=1;
clrscr();
puts("Enter a string ");gets(s);
if(s[0]>='A' && s[0]<='Z')s[0]+=32;
for(i=0; s[i]!='\0';i++)
{
if(s[i]==' ' && s[i+1]!=' ' && s[i+1]>='A' && s[i+1]<='Z')s[i+1]+=32;
else if(s[i]!=' ' && s[i+1]>='a' && s[i+1]<='z')s[i+1]-=32;
}
printf(s);
getch();
}
```

The Windows taskbar at the bottom shows the Start button, several application icons (File Explorer, Chrome, VLC, Paint, Word, etc.), and the system tray with the date and time (3:03 PM, 04-Oct-23). An "Activate Windows" watermark is visible in the bottom right corner of the IDE window.

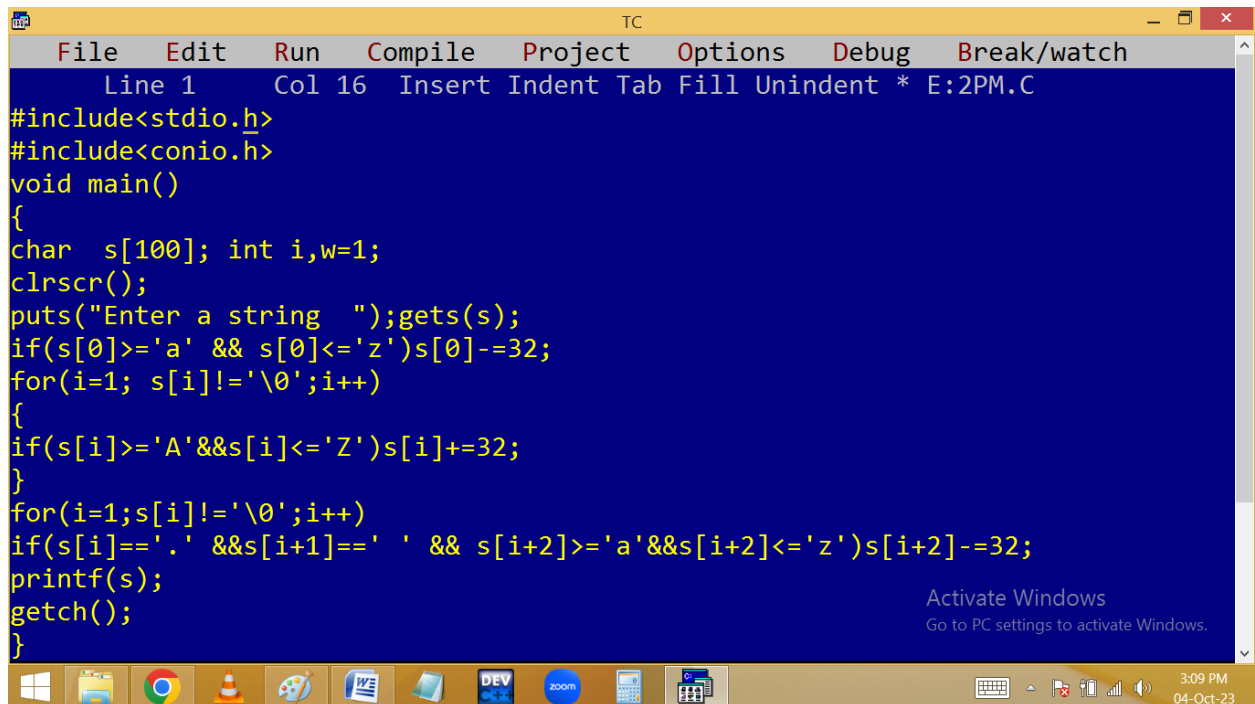


The screenshot shows the Turbo C++ (TC) IDE with the same menu bar and toolbar. The main window now displays the output of the program:

```
Enter a string
DIL to paGAL HAI
dIL tO pAGAL hAI_
```

The Windows taskbar at the bottom is identical to the first screenshot, showing the Start button, application icons, and system tray with the date and time (3:03 PM, 04-Oct-23). The "Activate Windows" watermark is also present in the bottom right corner.

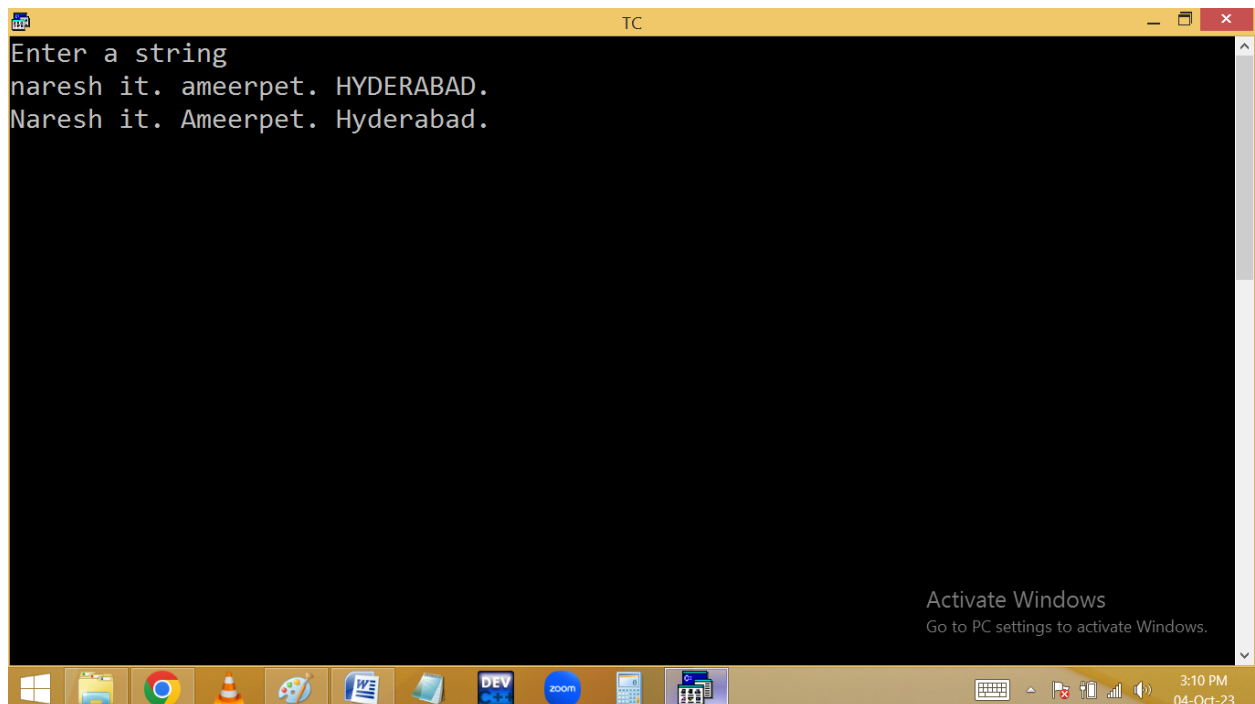
# Sentence case:



The screenshot shows the Turbo C++ (TC) IDE with the following code in E:2PM.C:

```
File Edit Run Compile Project Options Debug Break/watch
Line 1 Col 16 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
char s[100]; int i,w=1;
clrscr();
puts("Enter a string ");gets(s);
if(s[0]>='a' && s[0]<='z')s[0]-=32;
for(i=1; s[i]!='\0';i++)
{
if(s[i]>='A'&&s[i]<='Z')s[i]+=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();
}
```

The Windows taskbar at the bottom shows the time as 3:09 PM on 04-Oct-23.



The screenshot shows the Turbo C++ (TC) IDE displaying the output of the program:

```
Enter a string
naresh it. ameerpet. HYDERABAD.
Naresh it. Ameerpet. Hyderabad.
```

The Windows taskbar at the bottom shows the time as 3:10 PM on 04-Oct-23.

## Captcha code generation:

0-lower

1-upper

2-digit

3-special → @#\$\*=&

```
TC
#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<6;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); fflush();
printf("Refresh Captcha[y/n]");scanf("%c",&ch);
if(ch=='n' || ch=='N')break;
}
}
```

Activate Windows  
Go to PC settings to activate Windows.

3:31 PM  
04-Oct-23

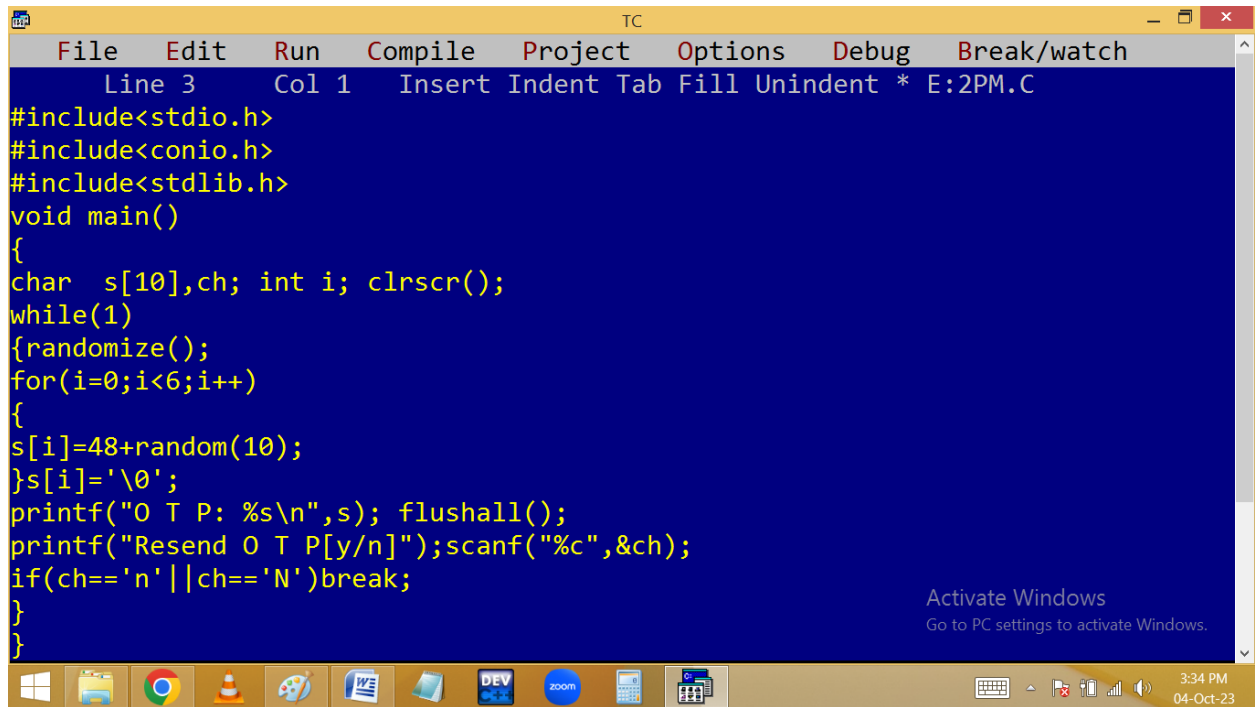
```
TC
Captcha: 98o$0H
Refresh Captcha[y/n]y
Captcha: @4@=Z0
Refresh Captcha[y/n]y\
Captcha: UTDD=$
Refresh Captcha[y/n]y
Captcha: @H@#aU
Refresh Captcha[y/n]n
```

Activate Windows  
Go to PC settings to activate Windows.

3:31 PM  
04-Oct-23

**OTP Generation:**

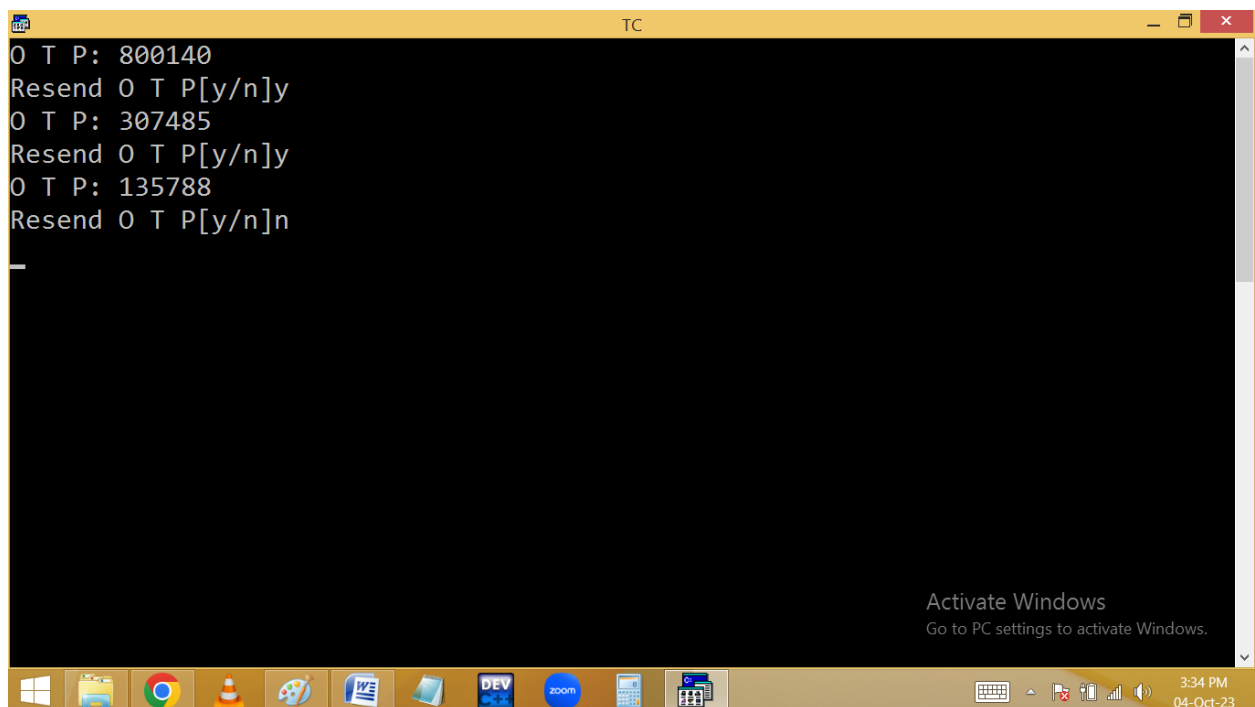




The screenshot shows the Turbo C++ (TC) IDE with a blue background. The menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the top indicates 'Line 3 Col 1 Insert Indent Tab Fill Unindent \* E:2PM.C'. The code is as follows:

```
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
{
char s[10],ch; int i; clrscr();
while(1)
{randomize();
for(i=0;i<6;i++)
{
s[i]=48+random(10);
}s[i]='\0';
printf("O T P: %s\n",s); fflush();
printf("Resend O T P[y/n]");scanf("%c",&ch);
if(ch=='n' || ch=='N')break;
}
}
```

An 'Activate Windows' watermark is visible in the bottom right corner of the code area. The Windows taskbar at the bottom shows the time as 3:34 PM on 04-Oct-23.



The screenshot shows the Turbo C++ (TC) IDE with a black background, displaying the output of the password generator program. The output is as follows:

```
O T P: 800140
Resend O T P[y/n]y
O T P: 307485
Resend O T P[y/n]y
O T P: 135788
Resend O T P[y/n]n
```

An 'Activate Windows' watermark is visible in the bottom right corner of the output area. The Windows taskbar at the bottom shows the time as 3:34 PM on 04-Oct-23.

**Password Generation:**

```
TC
#include<stdio.h>
#include<conio.h>
void main()
{
char user[20],pass[20],ch; int i=0;
clrscr();
printf("Enter user name "); scanf("%s",user);
printf("Enter pass word ");
while((ch=getch())!=13)
{
printf("*");
pass[i]=ch;
i++;
}
pass[i]='\0';
printf("\nShow pass word [y/n] "); fflush(); scanf("%c",&ch);
if(ch=='y' || ch=='Y')printf("Ur pass word %s",pass);
getch();
}
```

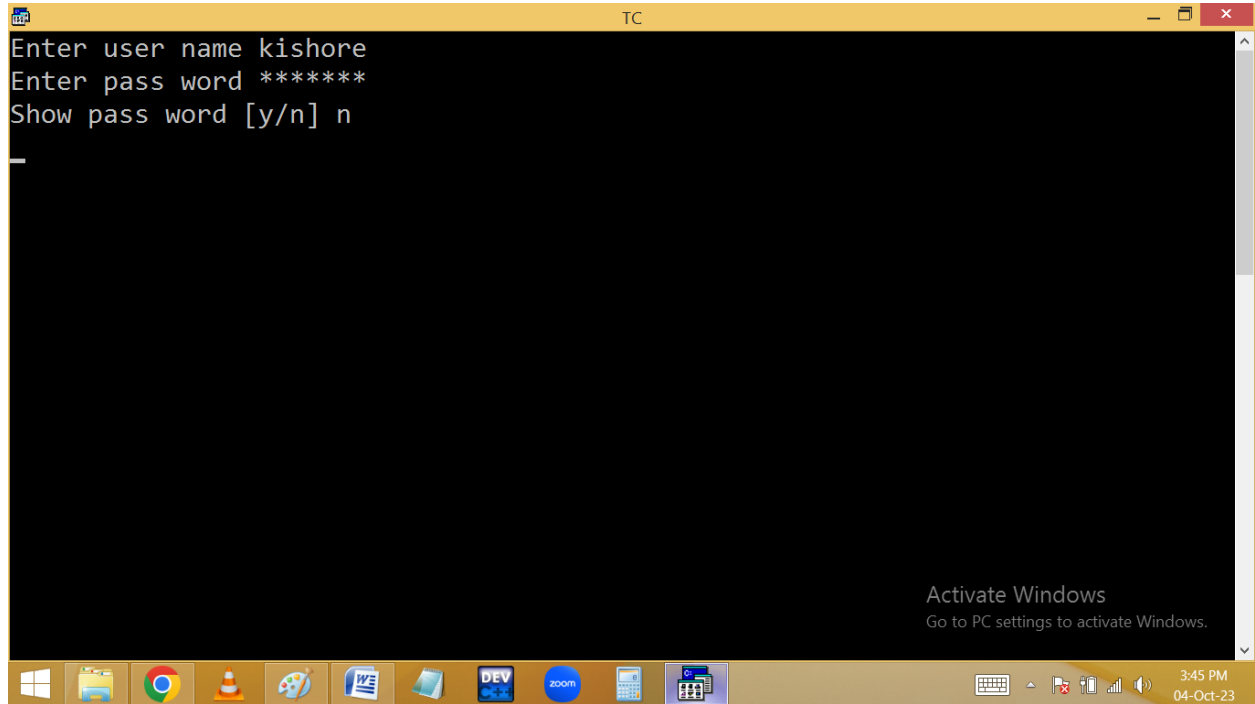
Activate Windows  
Go to PC settings to activate Windows.

3:44 PM  
04-Oct-23

```
TC
Enter user name kishore
Enter pass word *****
Show pass word [y/n] y
Ur pass word windows_
```

Activate Windows  
Go to PC settings to activate Windows.

3:44 PM  
04-Oct-23



## Home work:

Finding palindrome using single string.

liril, madam, Malayalam,...

