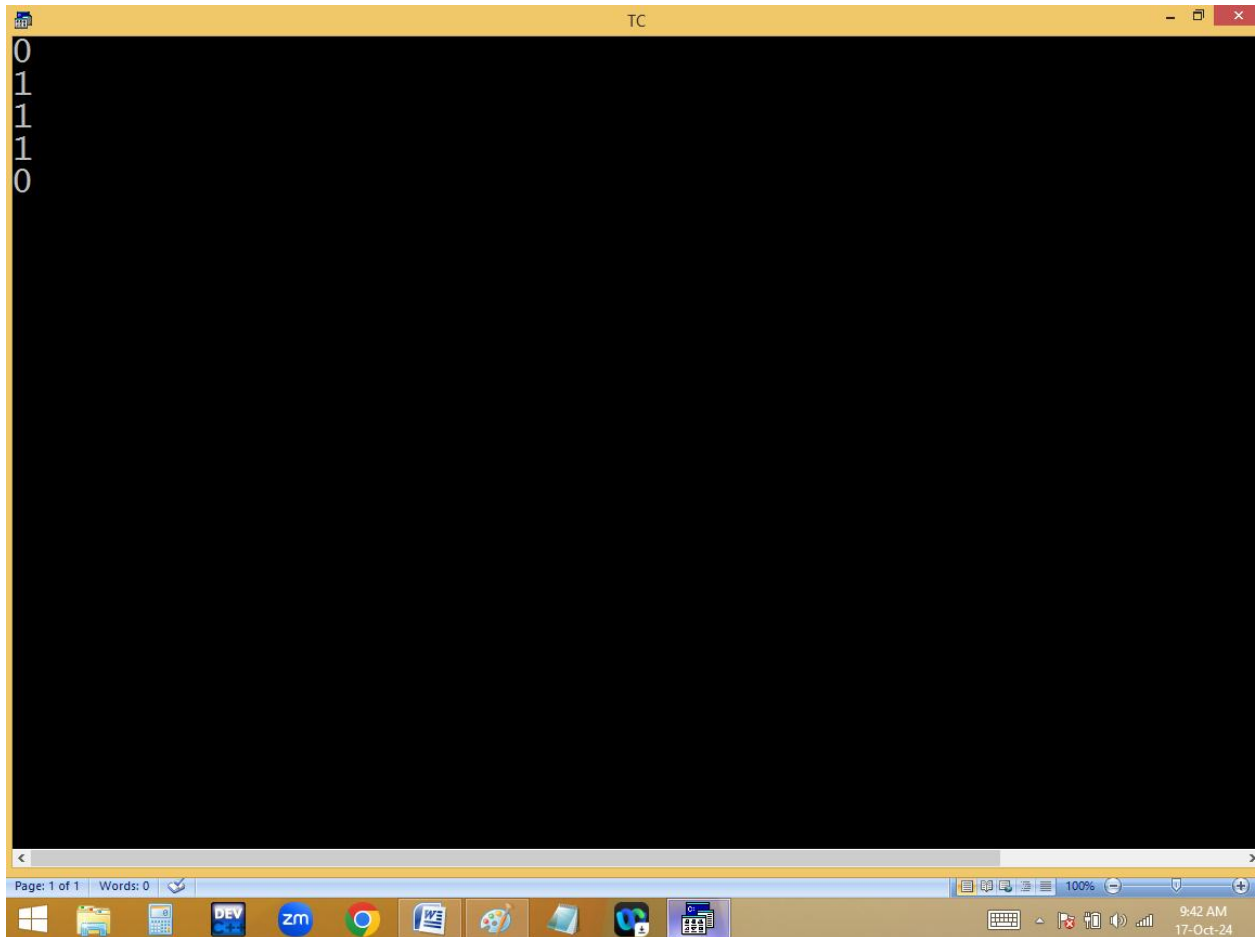


The image shows a screenshot of the Turbo C++ (TC) IDE. The window title is "TC". The menu bar includes "File", "Edit", "Run", "Compile", "Project", "Options", "Debug", and "Breakpoint". The status bar at the top indicates "Line 7", "Col 20", and "Insert Indent Tab Fill Unindent * E:9AM". The code editor has a dark blue background with yellow text. The code is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d\n",5>3>1);
printf("%d\n",5>3>0);
printf("%d\n", 5 && -5);
printf("%d\n", 0 || 'a');
printf("%d\n", !0 && !1.1);
getch();
}
```

Below the code editor, there is a toolbar with function key shortcuts: "F1-Help", "F5-Zoom", "F6-Switch", "F7-Trace", "F8-Step", "F9-Make", and "F10-Me". The Windows taskbar is visible at the bottom, showing icons for the Start menu, File Explorer, Calculator, DEV C++, Zoom, Google Chrome, Word, Paint, and a folder. The system clock in the bottom right corner shows "9:42 AM" and "17-Oct-24".

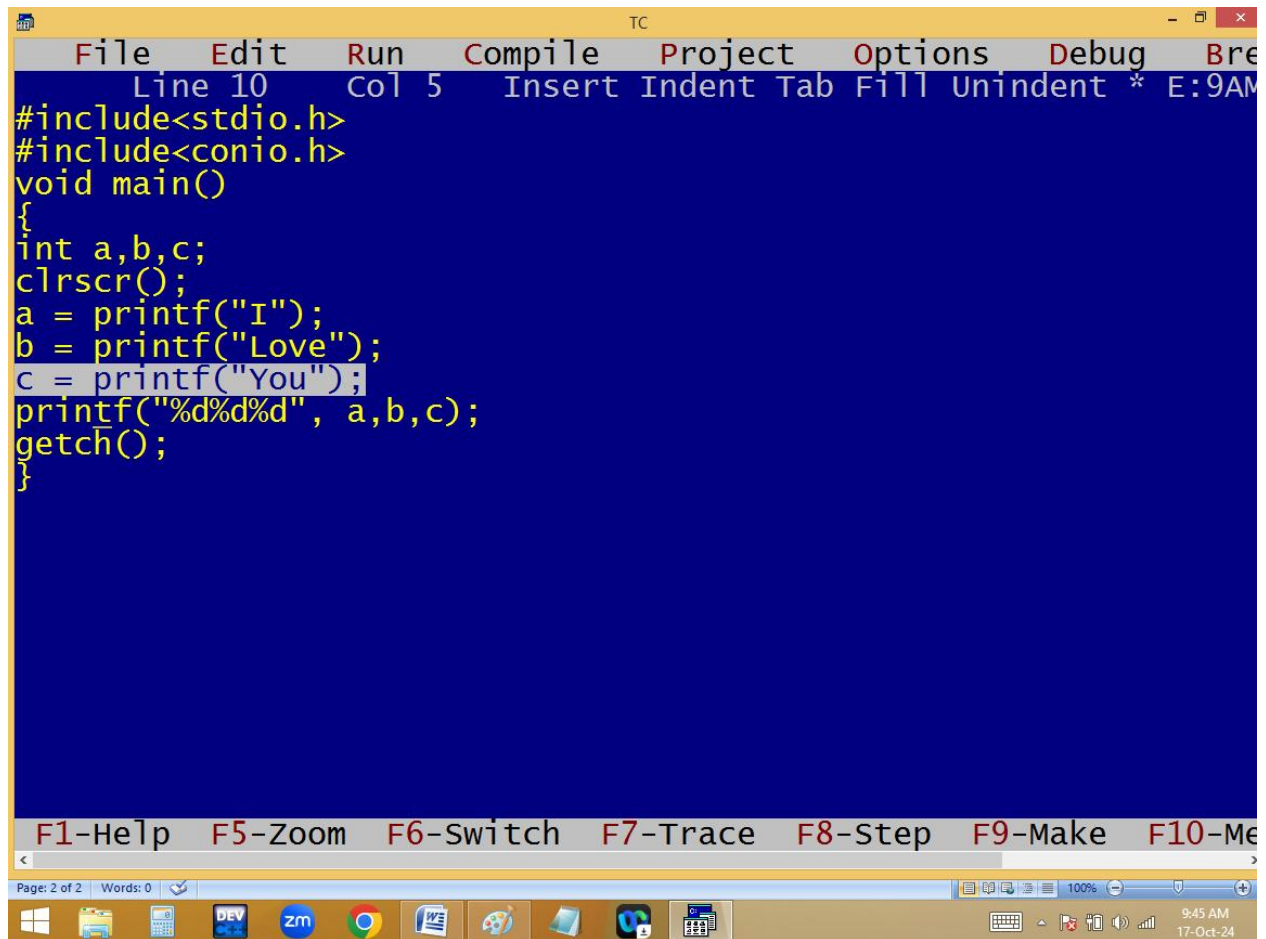


$$\begin{array}{r} 5 > 3 > 1 \\ \hline 1 > 1 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 5 \&\& -5 \\ \hline 1 \&\& 1 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 0 \parallel \parallel 'a' \\ \hline 0 \quad 97 \\ \hline 0 \parallel \parallel 1 \\ \hline 1 \end{array}$$

$$\begin{array}{r} !0 \&\& !1.1 \\ \hline 1 \&\& 0 \\ \hline 0 \end{array}$$



The image shows a screenshot of the Turbo C++ (TC) IDE. The main window has a dark blue background with yellow text for the code. The menu bar at the top includes File, Edit, Run, Compile, Project, Options, Debug, and Break. The status bar at the top shows 'Line 10 Col 5' and 'Insert Indent Tab Fill Unindent * E:9AM'. The code in the editor is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a,b,c;
clrscr();
a = printf("I");
b = printf("Love");
c = printf("You");
printf("%d%d%d", a,b,c);
getch();
}
```

The line 'c = printf("You");' is currently selected. Below the code editor, there is a toolbar with various icons and a status bar showing 'Page: 2 of 2' and 'Words: 0'. At the very bottom, the Windows taskbar is visible with icons for Windows, File Explorer, Calculator, DEV C++, Zoom, Google Chrome, Word, Paint, and other applications. The system clock in the bottom right corner shows '9:45 AM' and '17-Oct-24'.

File Edit Run Compile Project Options Debug Break

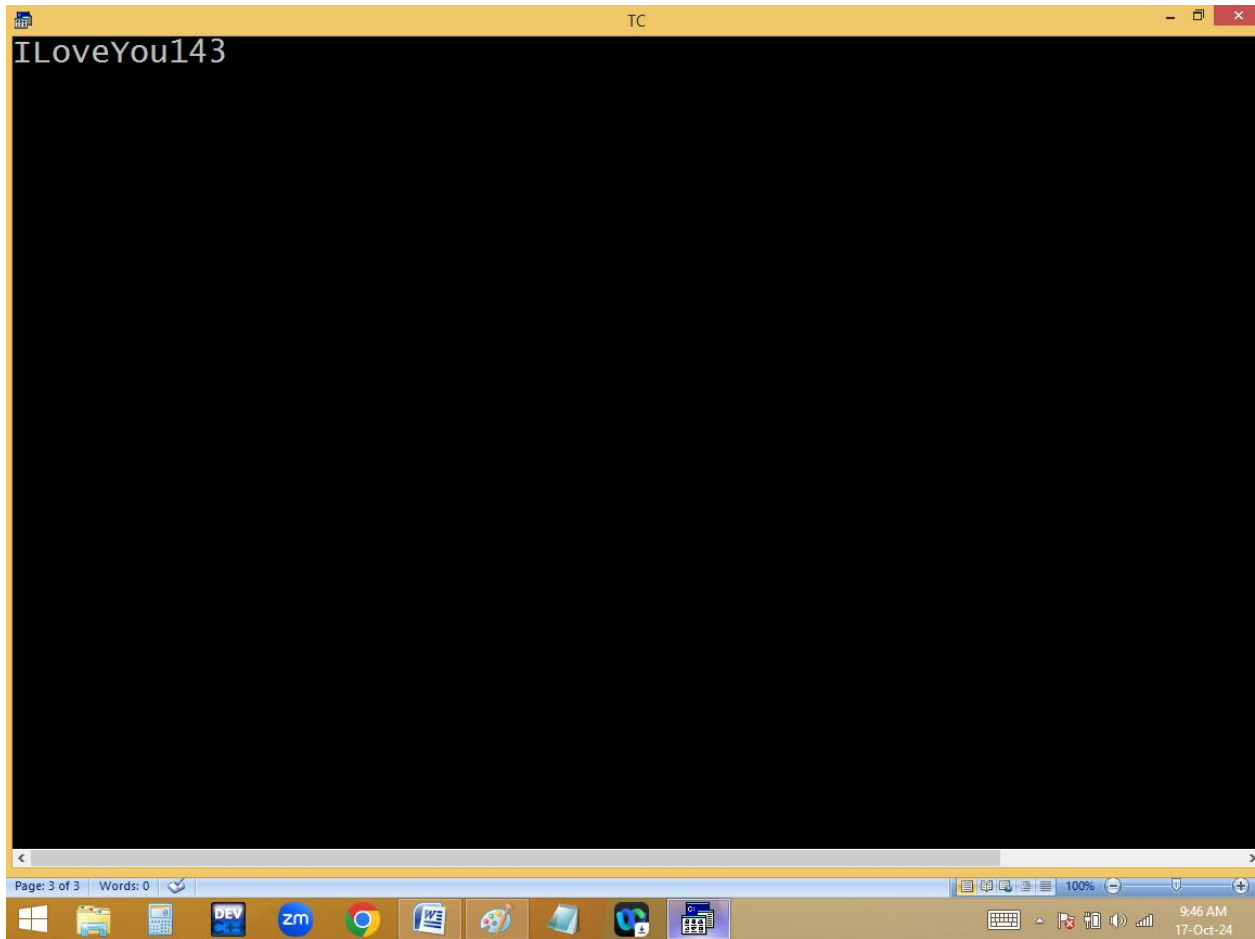
Line 10 Col 5 Insert Indent Tab Fill Unindent * E:9AM

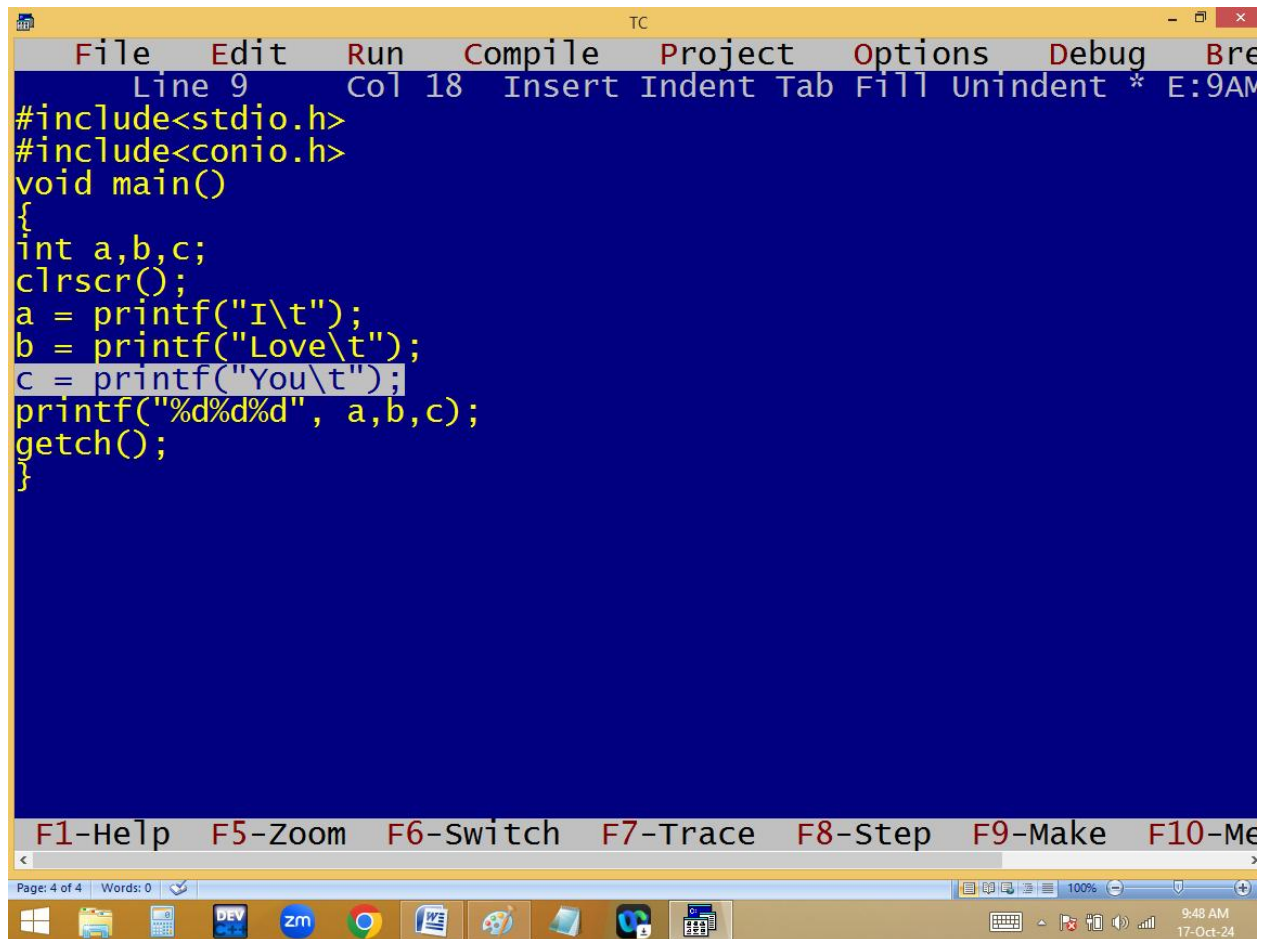
```
#include<stdio.h>
#include<conio.h>
void main()
{
int a,b,c;
clrscr();
a = printf("I");
b = printf("Love");
c = printf("You");
printf("%d%d%d", a,b,c);
getch();
}
```

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

Page: 2 of 2 Words: 0

9:45 AM 17-Oct-24



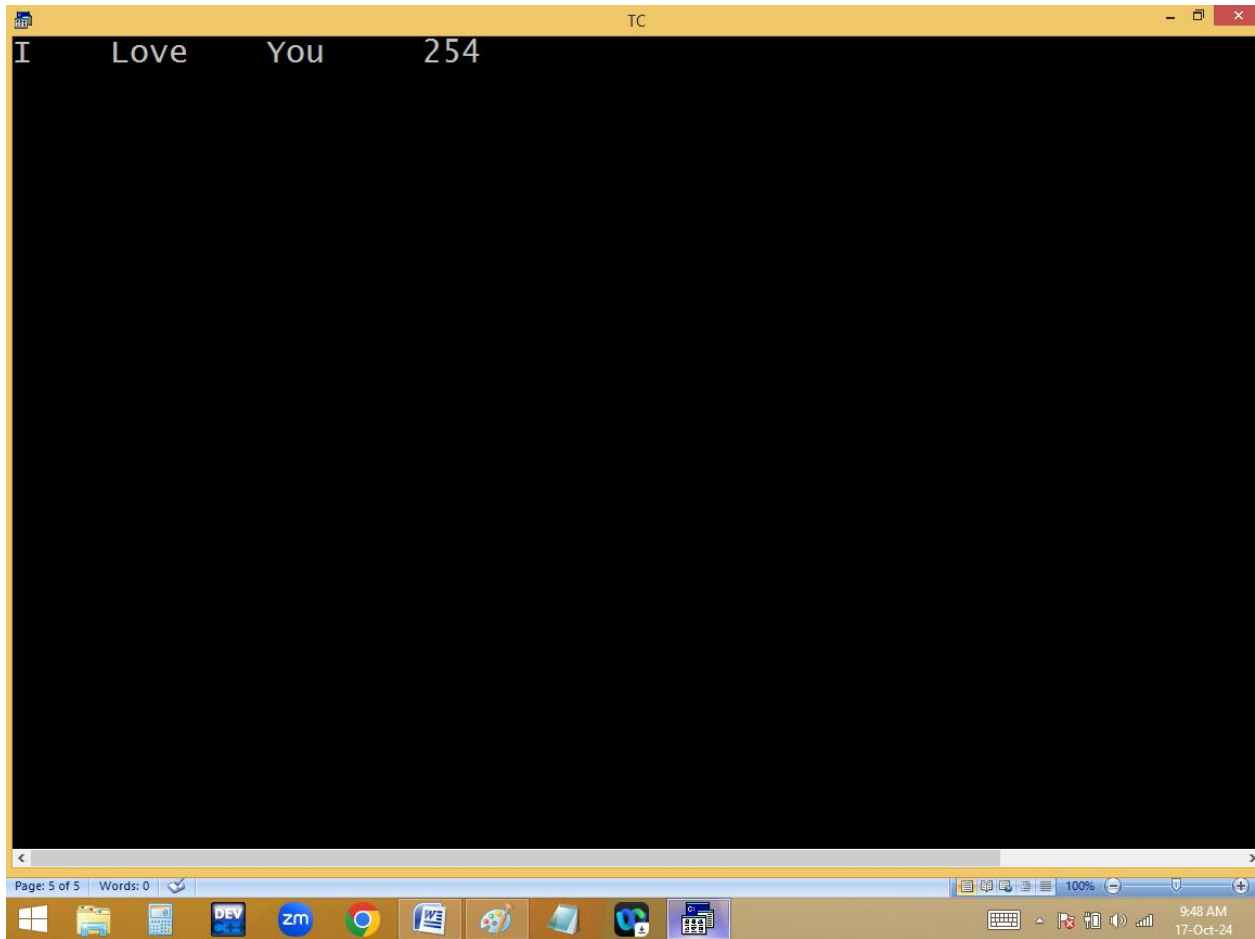


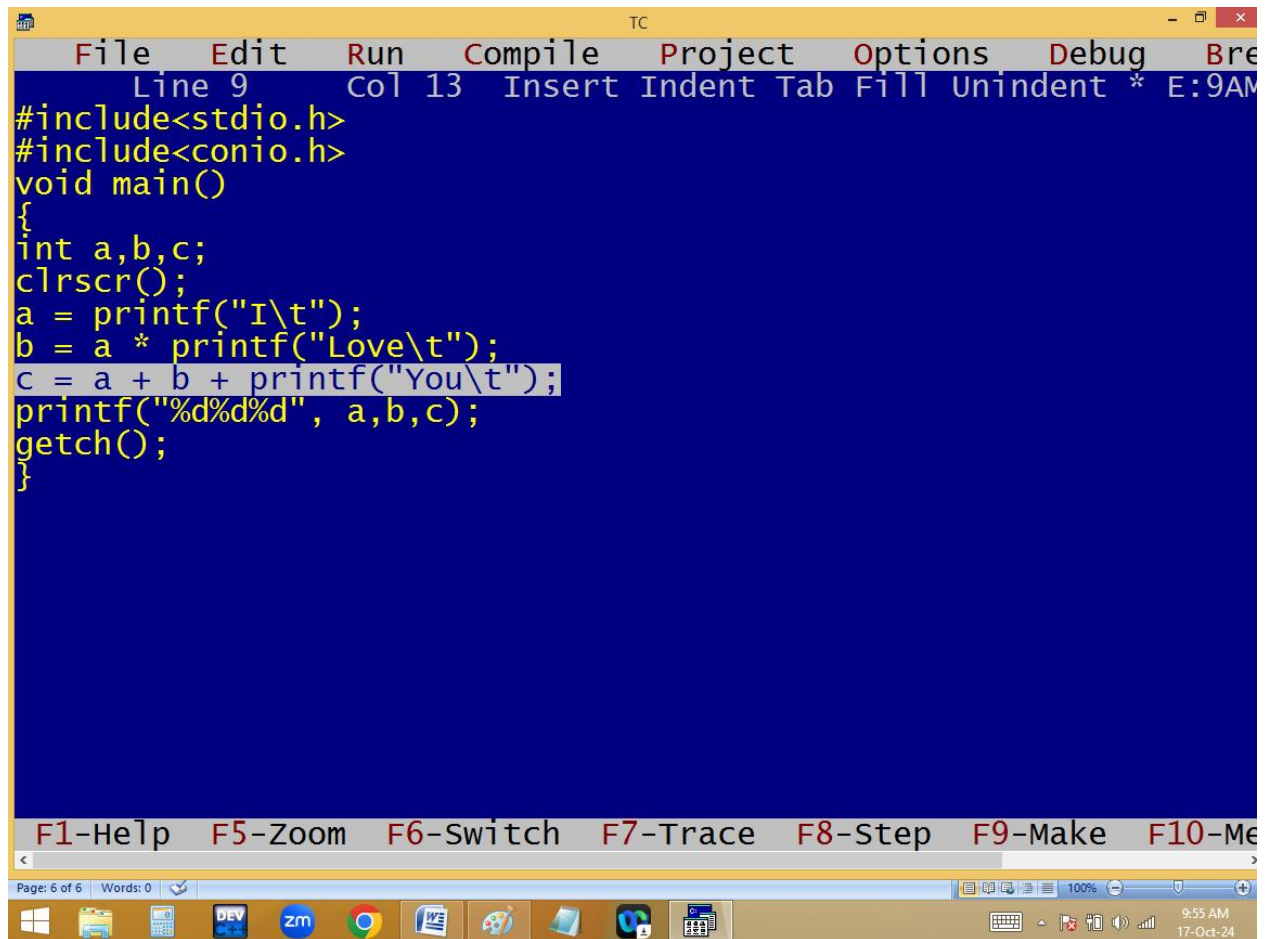
```
TC
File Edit Run Compile Project Options Debug Break
Line 9 Col 18 Insert Indent Tab Fill Unindent * E:9AM
#include<stdio.h>
#include<conio.h>
void main()
{
int a,b,c;
clrscr();
a = printf("I\t");
b = printf("Love\t");
c = printf("You\t");
printf("%d%d%d", a,b,c);
getch();
}
```

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

Page: 4 of 4 Words: 0 100%

9:48 AM 17-Oct-24





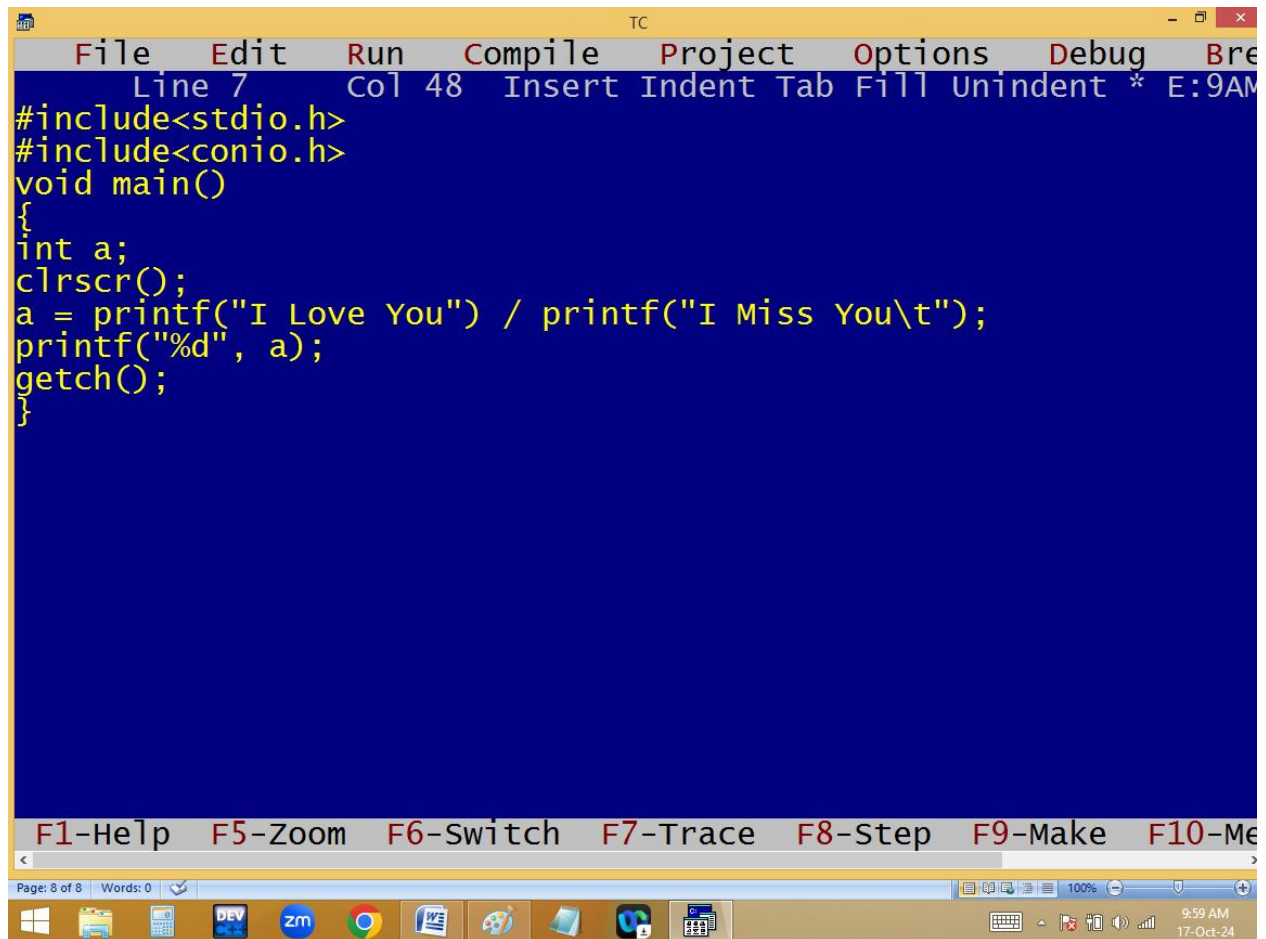
```
TC
File Edit Run Compile Project Options Debug Bre
Line 9 Col 13 Insert Indent Tab Fill Unindent * E:9AM
#include<stdio.h>
#include<conio.h>
void main()
{
int a,b,c;
clrscr();
a = printf("I\t");
b = a * printf("Love\t");
c = a + b + printf("You\t");
printf("%d%d%d", a,b,c);
getch();
}
```

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

Page: 6 of 6 Words: 0 100%

9:55 AM 17-Oct-24

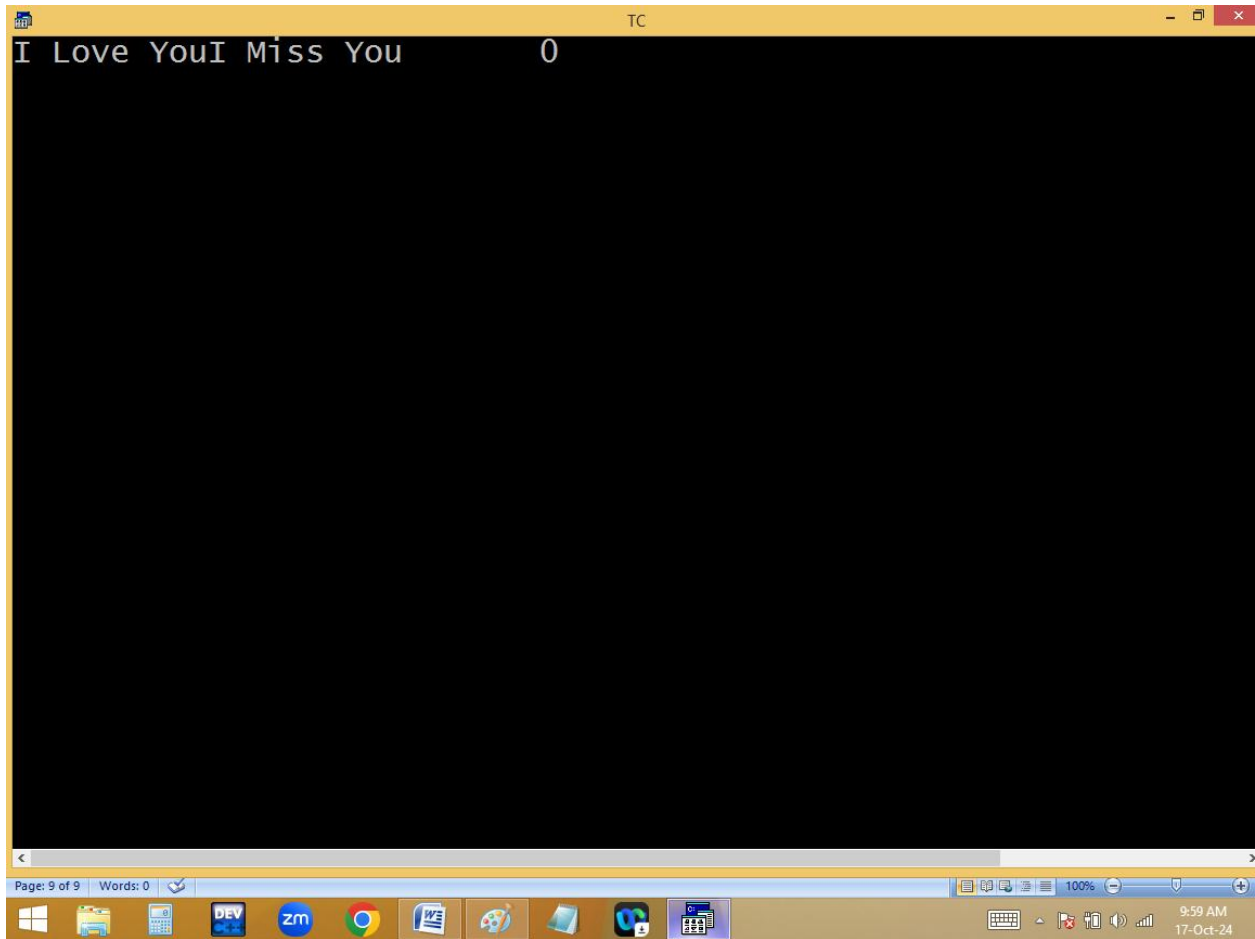


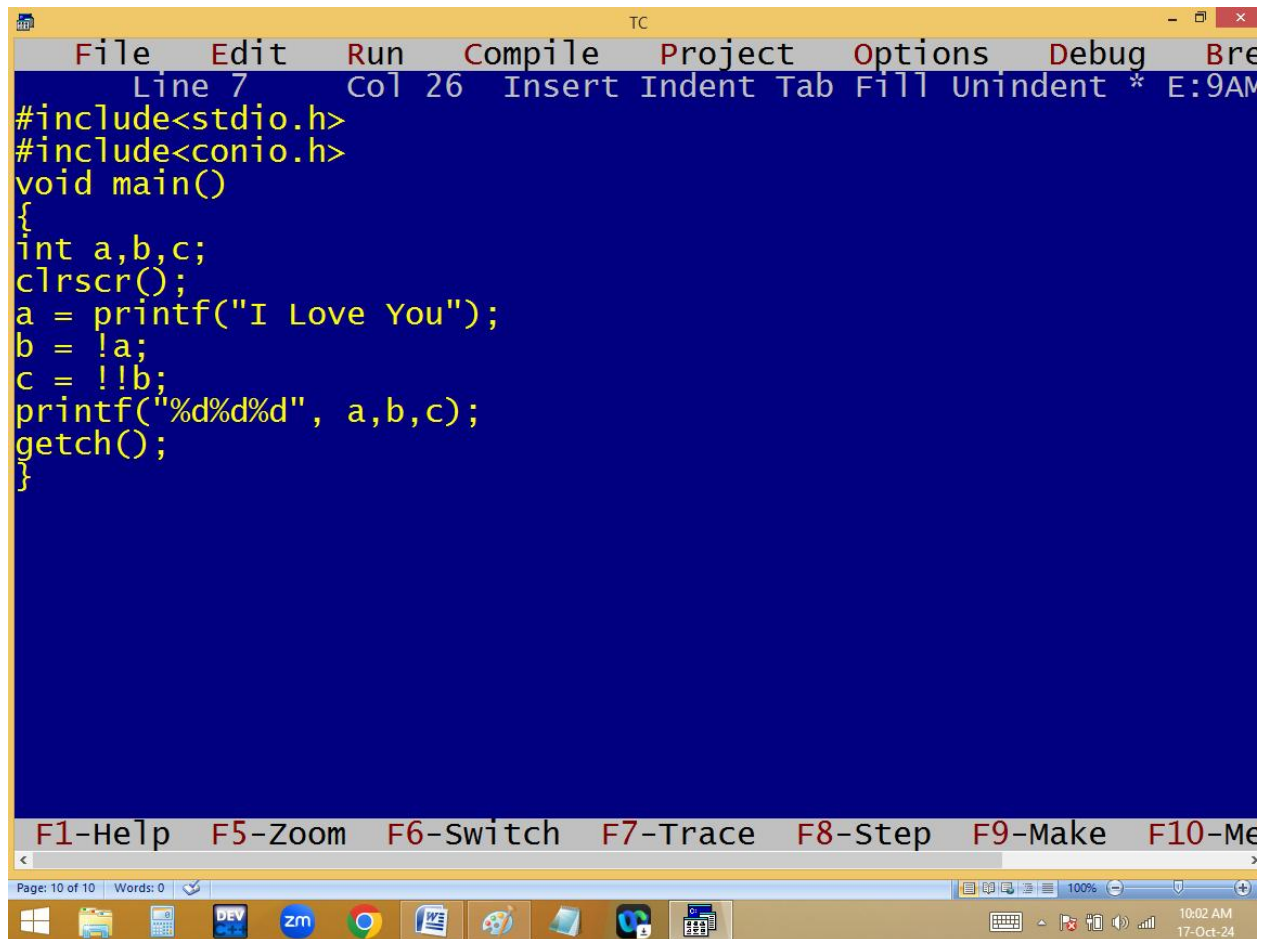


The image shows a screenshot of the Turbo C++ (TC) IDE. The window title is "TC". The menu bar includes "File", "Edit", "Run", "Compile", "Project", "Options", "Debug", and "Breakpoint". The status bar at the top indicates "Line 7", "Col 48", and "Insert Indent Tab Fill Unindent * E:9AM". The main editing area has a dark blue background with yellow text. The code is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a;
clrscr();
a = printf("I Love You") / printf("I Miss You\t");
printf("%d", a);
getch();
}
```

Below the code area, there is a toolbar with function key shortcuts: "F1-Help", "F5-Zoom", "F6-Switch", "F7-Trace", "F8-Step", "F9-Make", and "F10-Me". The bottom status bar shows "Page: 8 of 8", "Words: 0", and a Windows taskbar at the very bottom with various application icons and the system clock showing "9:59 AM 17-Oct-24".

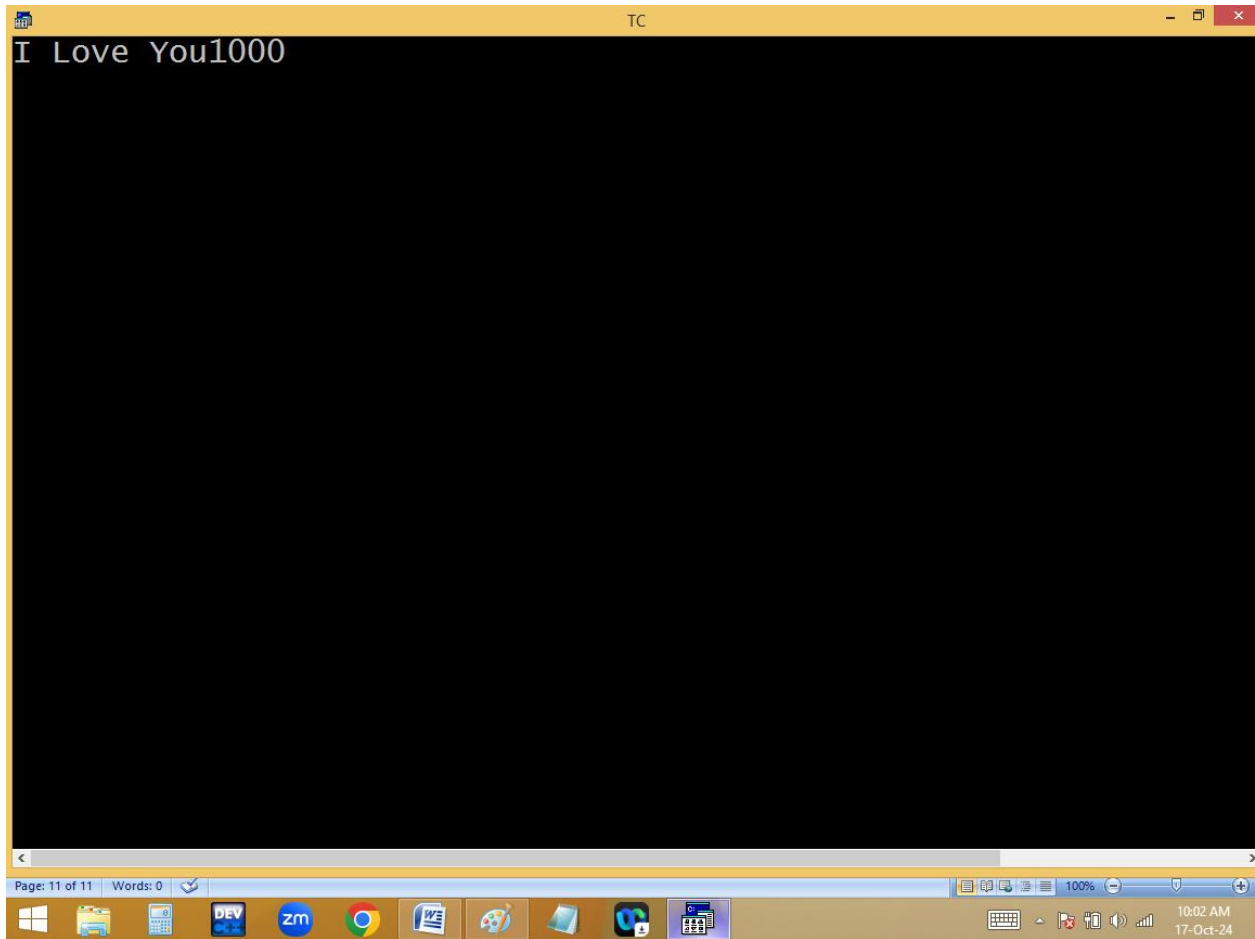


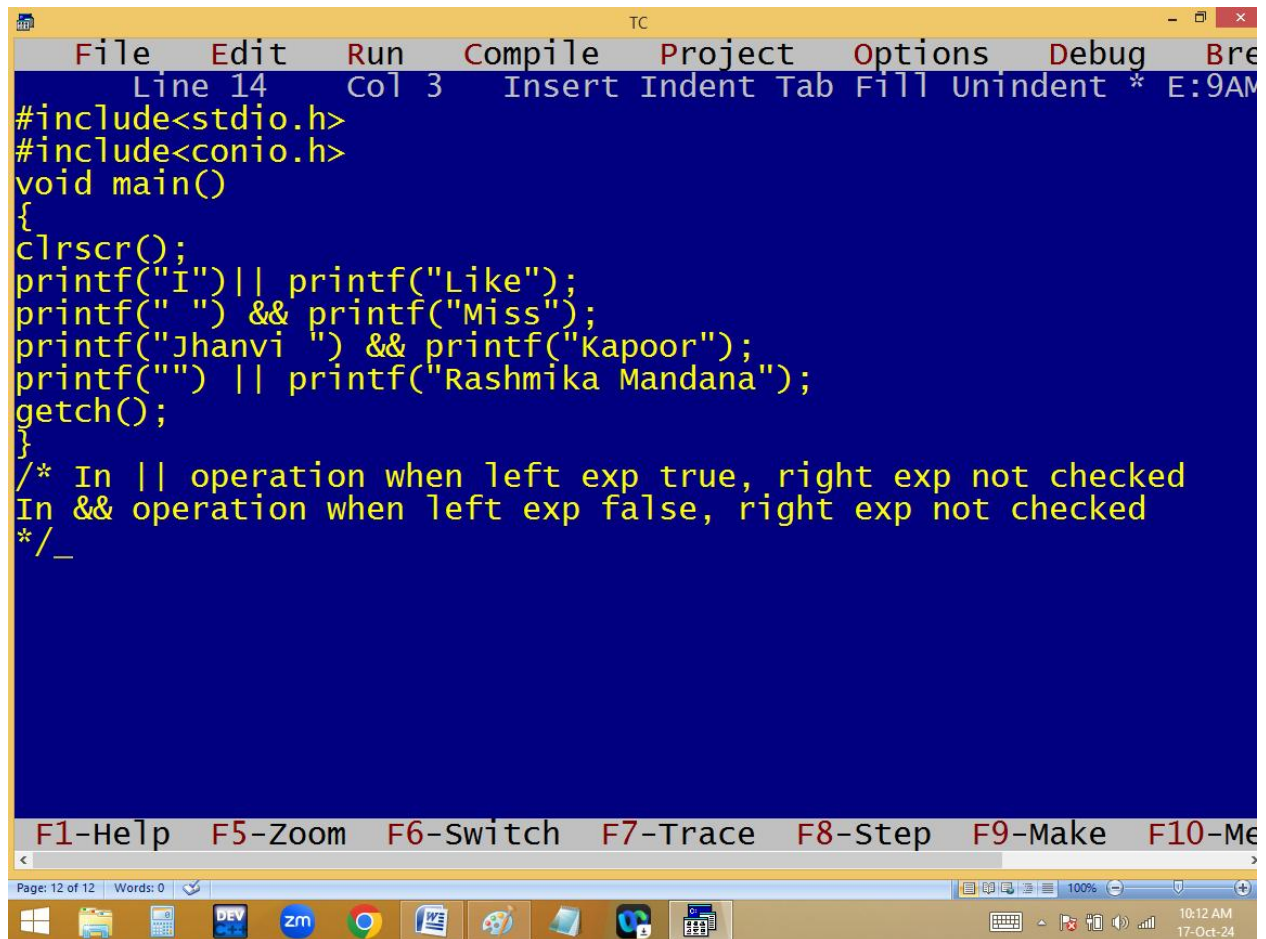


The image shows a screenshot of the Turbo C++ (TC) IDE. The main window has a dark blue background with yellow text for the code. The menu bar at the top includes File, Edit, Run, Compile, Project, Options, Debug, and Break. The status bar at the top shows 'Line 7', 'Col 26', and 'Insert' mode. The code in the editor is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int a,b,c;
    clrscr();
    a = printf("I Love You");
    b = !a;
    c = !!b;
    printf("%d%d%d", a,b,c);
    getch();
}
```

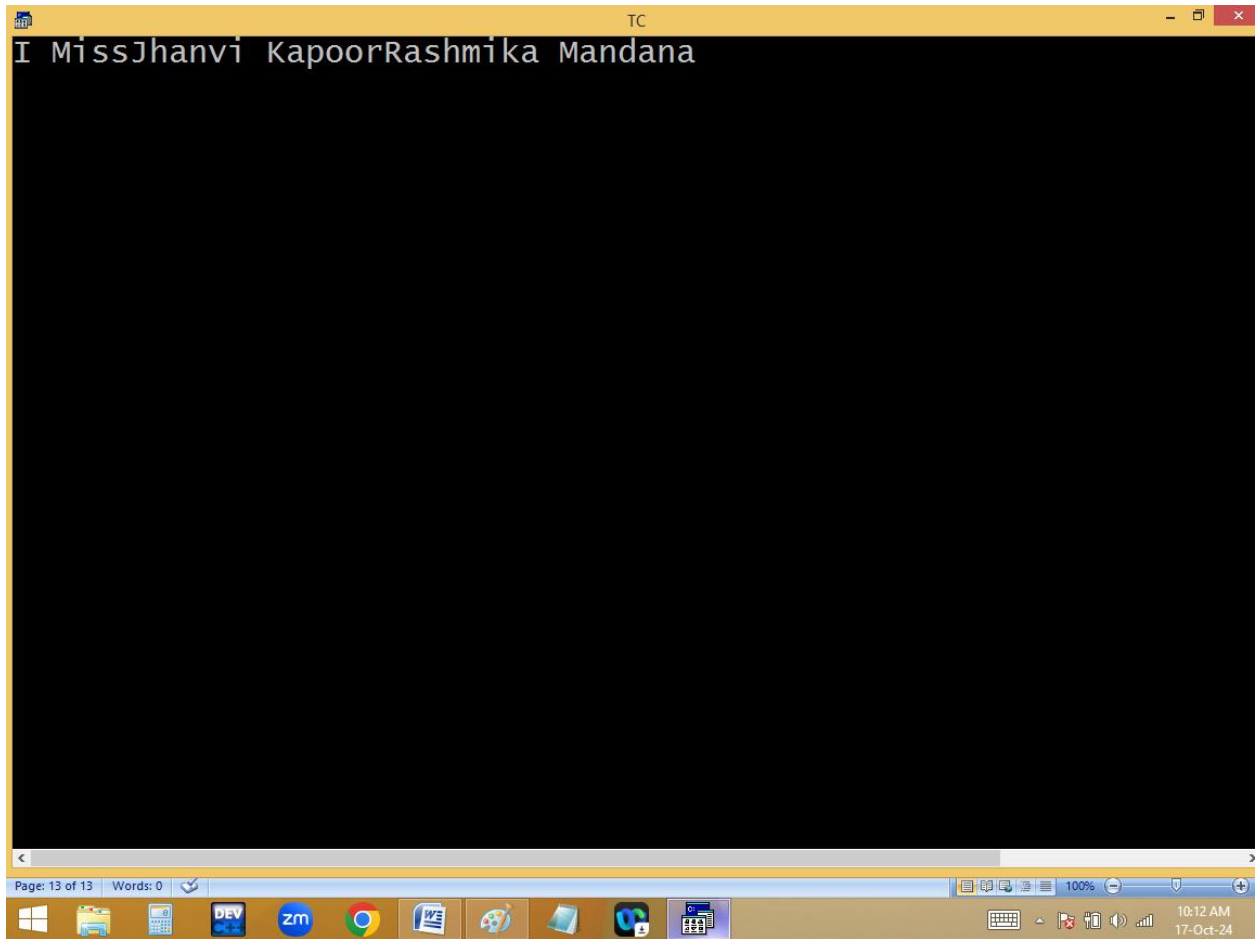
Below the code editor, there is a toolbar with function key shortcuts: F1-Help, F5-Zoom, F6-Switch, F7-Trace, F8-Step, F9-Make, and F10-Me. The bottom status bar shows 'Page: 10 of 10' and 'Words: 0'. The Windows taskbar at the very bottom displays various application icons, including the Start button, File Explorer, Calculator, DEV C++, Zoom, Google Chrome, Word, Paint, and others. The system clock in the bottom right corner indicates the time is 10:02 AM on 17-Oct-24.

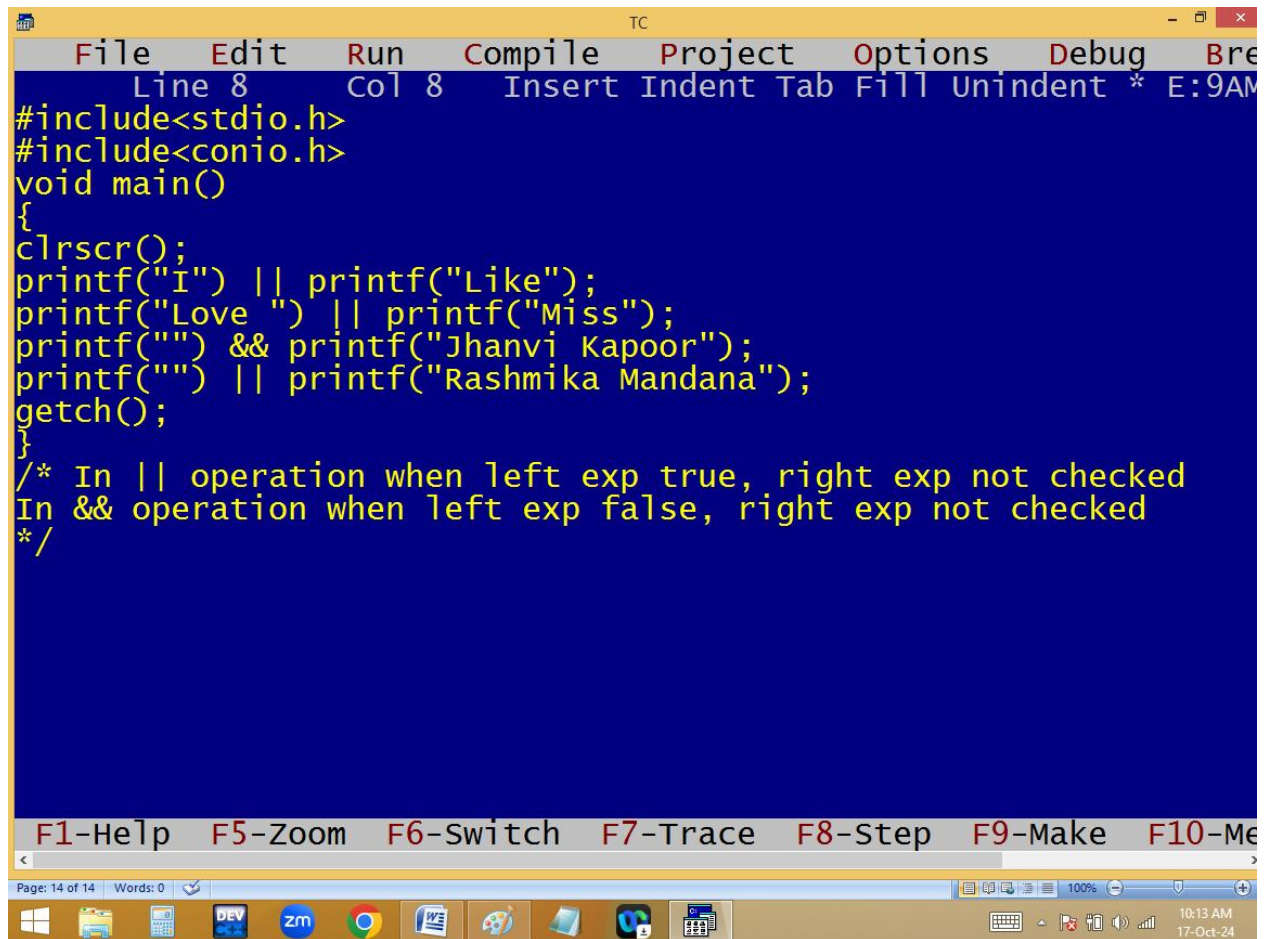




```
TC
File Edit Run Compile Project Options Debug Bre
Line 14 Col 3 Insert Indent Tab Fill Unindent * E:9AM
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("I") || printf("Like");
printf(" ") && printf("Miss");
printf("Jhanvi ") && printf("Kapoor");
printf("") || printf("Rashmika Mandana");
getch();
}
/* In || operation when left exp true, right exp not checked
In && operation when left exp false, right exp not checked
*/_

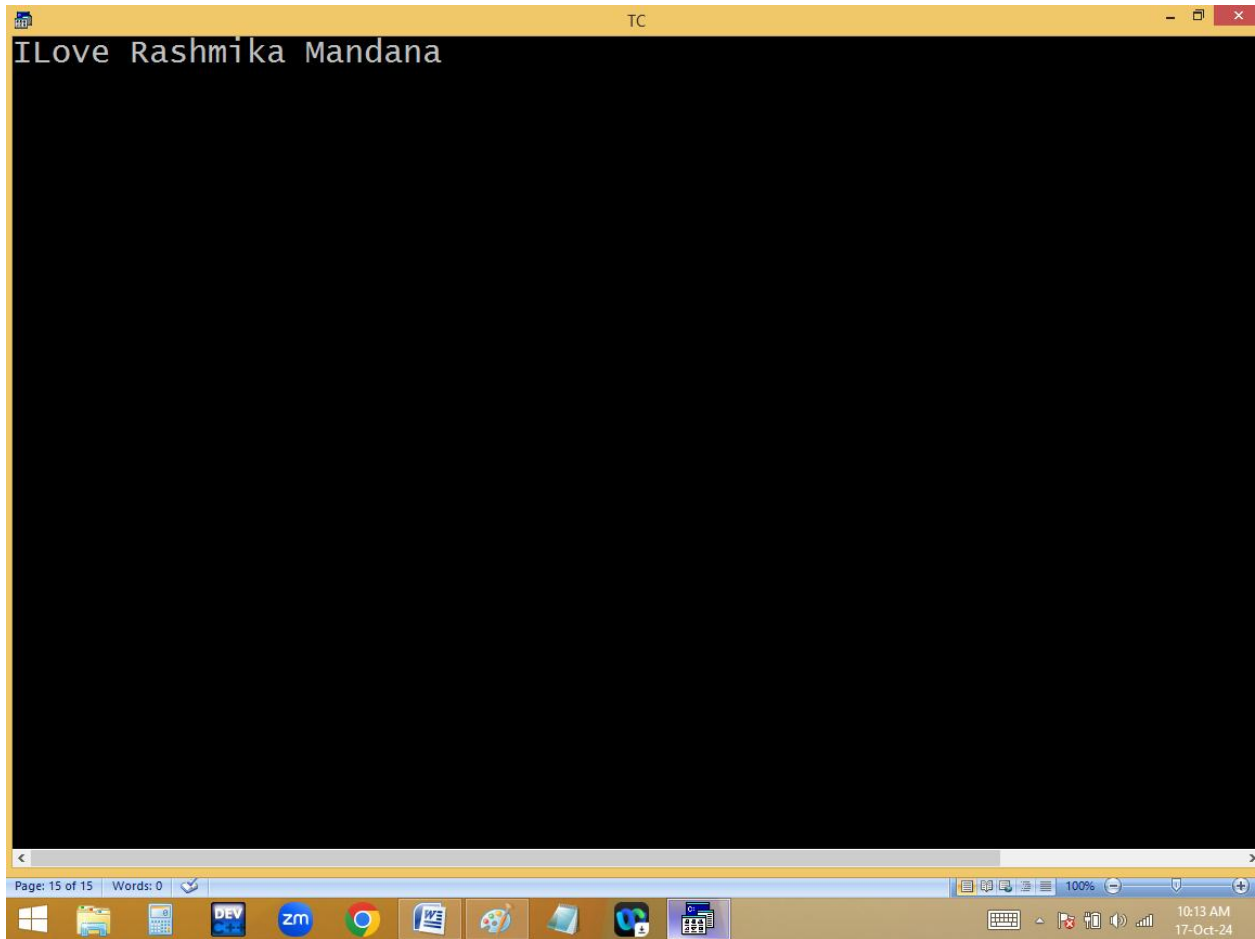
F1-Help F5-Zoom F6-Switch F7-Trace F8-Step F9-Make F10-Me
Page: 12 of 12 Words: 0
10:12 AM
17-Oct-24
```

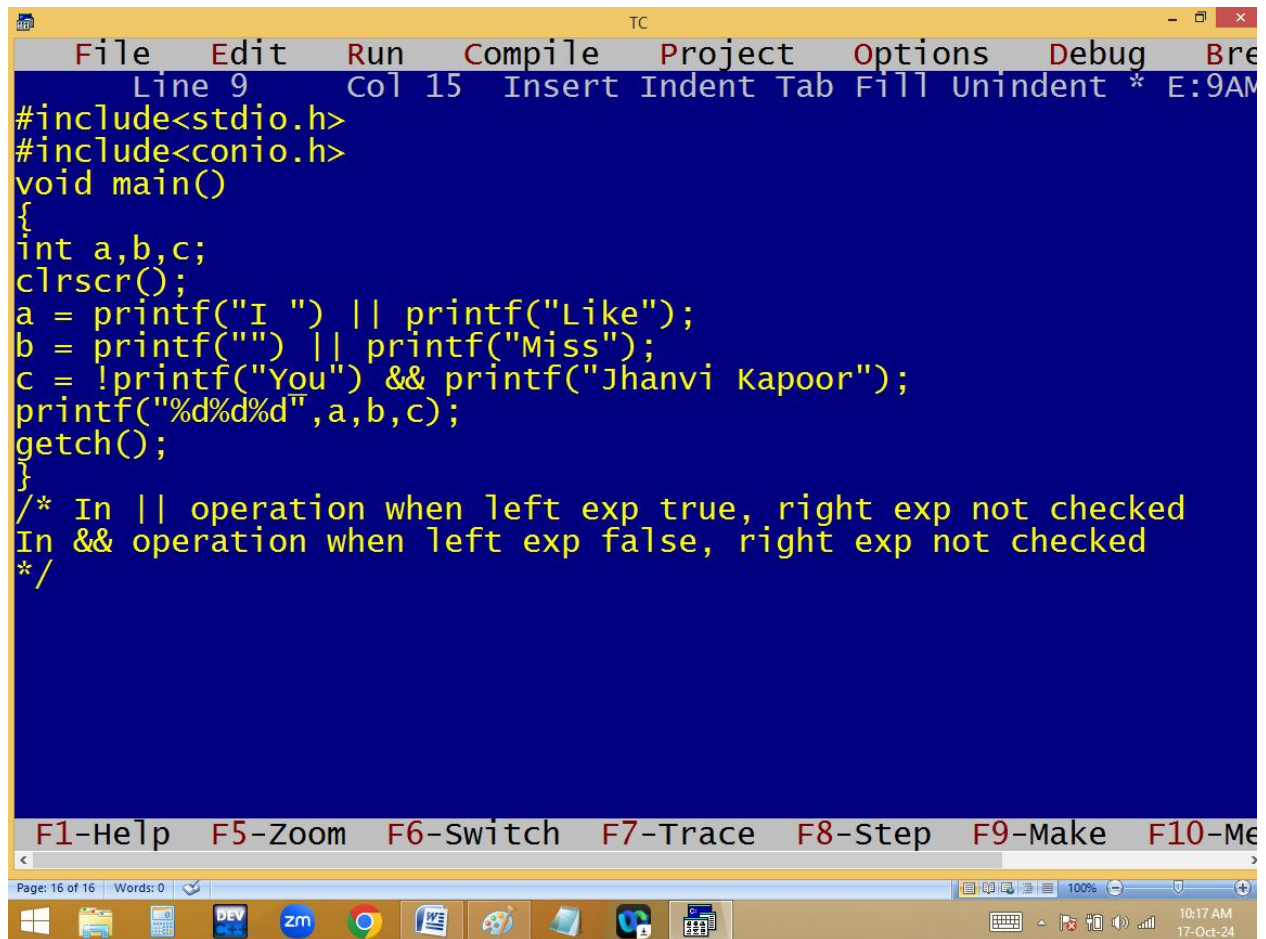




```
TC
File Edit Run Compile Project Options Debug Bre
Line 8 Col 8 Insert Indent Tab Fill Unindent * E:9AM
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("I") || printf("Like");
printf("Love ") || printf("Miss");
printf("") && printf("Jhanvi Kapoor");
printf("") || printf("Rashmika Mandana");
getch();
}
/* In || operation when left exp true, right exp not checked
In && operation when left exp false, right exp not checked
*/

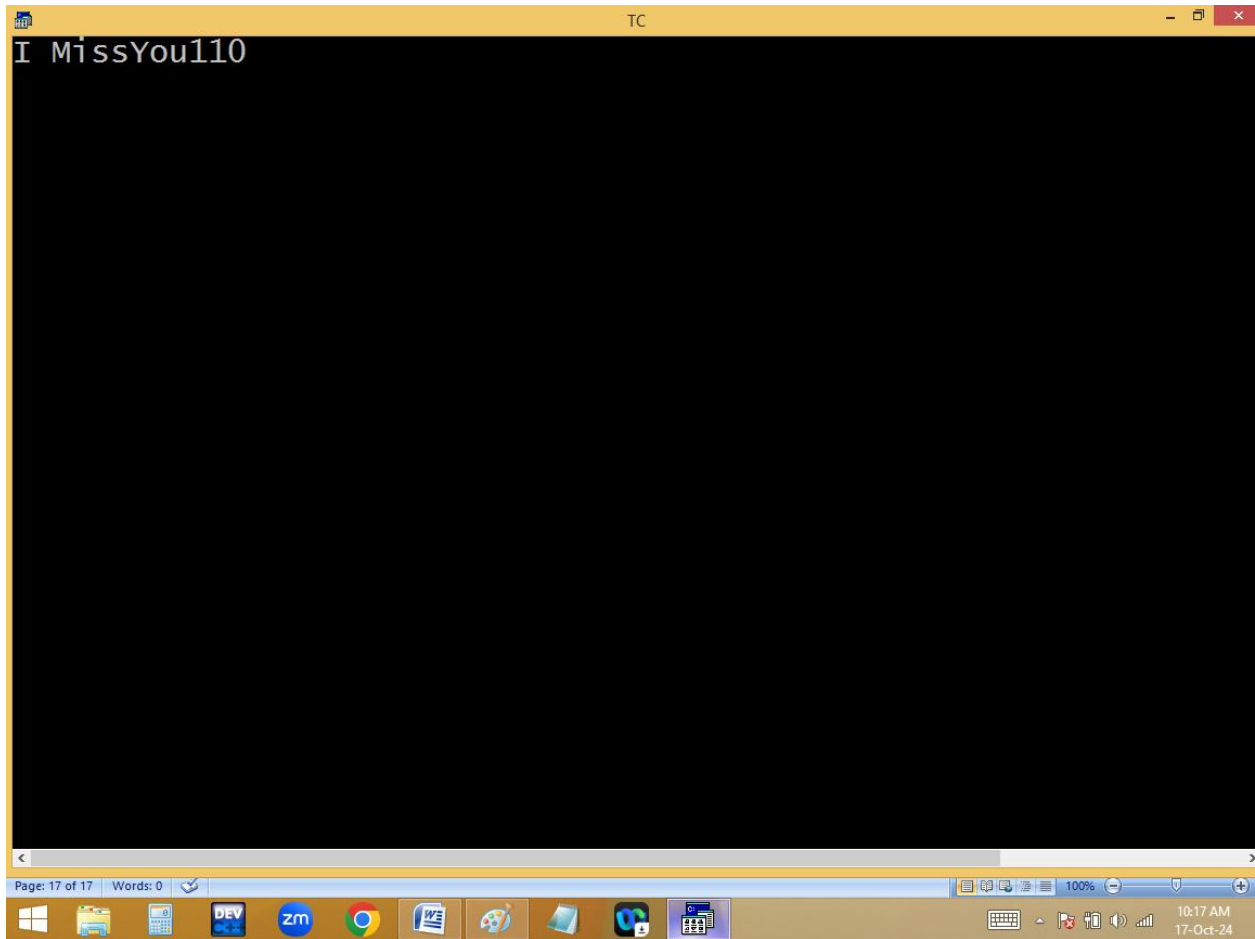
F1-Help F5-Zoom F6-Switch F7-Trace F8-Step F9-Make F10-Me
Page: 14 of 14 Words: 0
10:13 AM
17-Oct-24
```

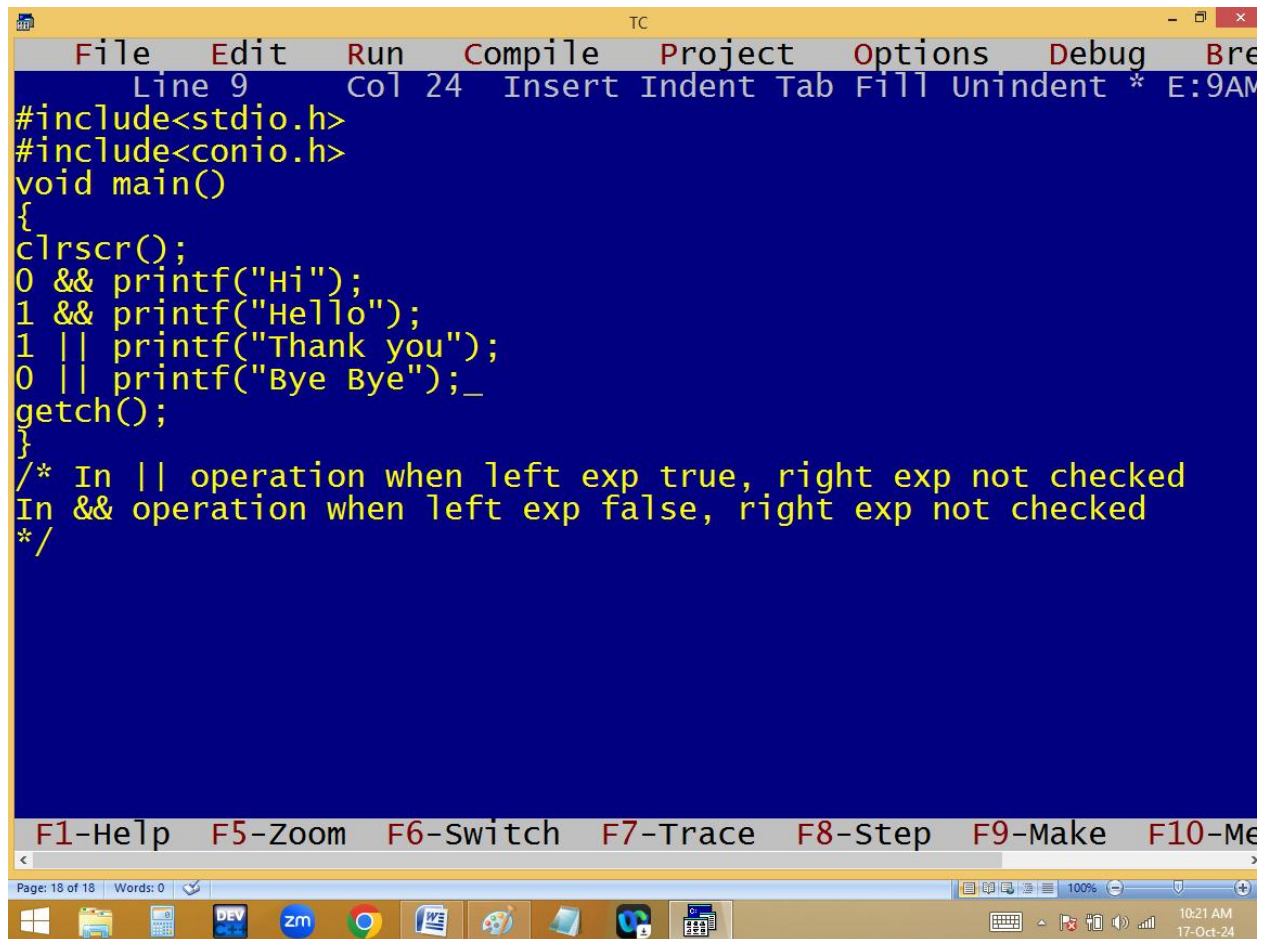




```
TC
File Edit Run Compile Project Options Debug Bre
Line 9 Col 15 Insert Indent Tab Fill Unindent * E:9AM
#include<stdio.h>
#include<conio.h>
void main()
{
int a,b,c;
clrscr();
a = printf("I ") || printf("Like");
b = printf("") || printf("Miss");
c = !printf("You") && printf("Jhanvi Kapoor");
printf("%d%d%d",a,b,c);
getch();
}
/* In || operation when left exp true, right exp not checked
In && operation when left exp false, right exp not checked
*/

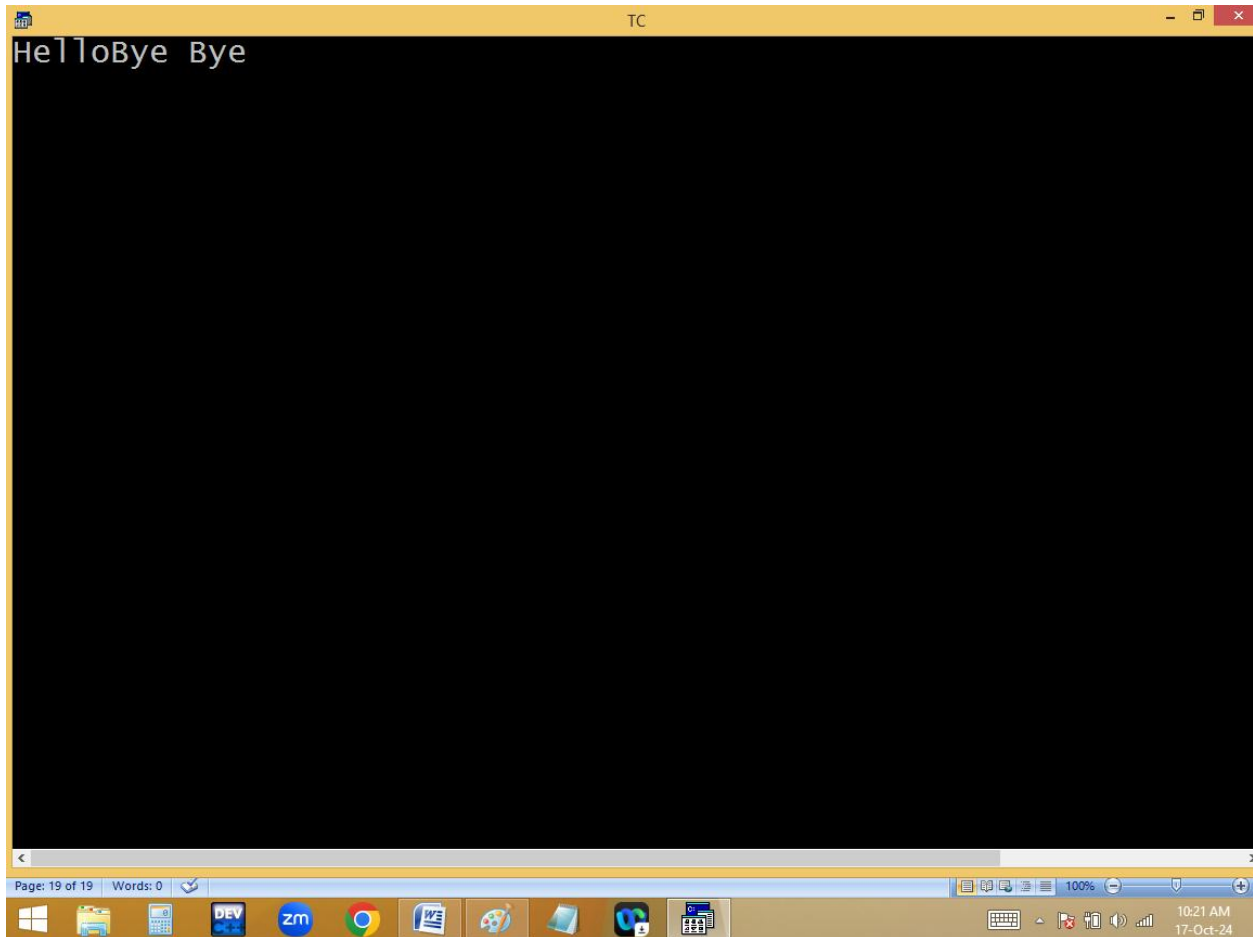
F1-Help F5-Zoom F6-Switch F7-Trace F8-Step F9-Make F10-Me
Page: 16 of 16 Words: 0 100% 10:17 AM 17-Oct-24
```





```
TC
File Edit Run Compile Project Options Debug Break
Line 9 Col 24 Insert Indent Tab Fill Unindent * E:9AM
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
0 && printf("Hi");
1 && printf("Hello");
1 || printf("Thank you");
0 || printf("Bye Bye");_
getch();
}
/* In || operation when left exp true, right exp not checked
In && operation when left exp false, right exp not checked
*/

F1-Help F5-Zoom F6-Switch F7-Trace F8-Step F9-Make F10-Me
Page: 18 of 18 Words: 0
10:21 AM
17-Oct-24
```



Increment / Decrement / Modify operators[++/--]:

They are used to increment or decrement a variable **value by 1**.

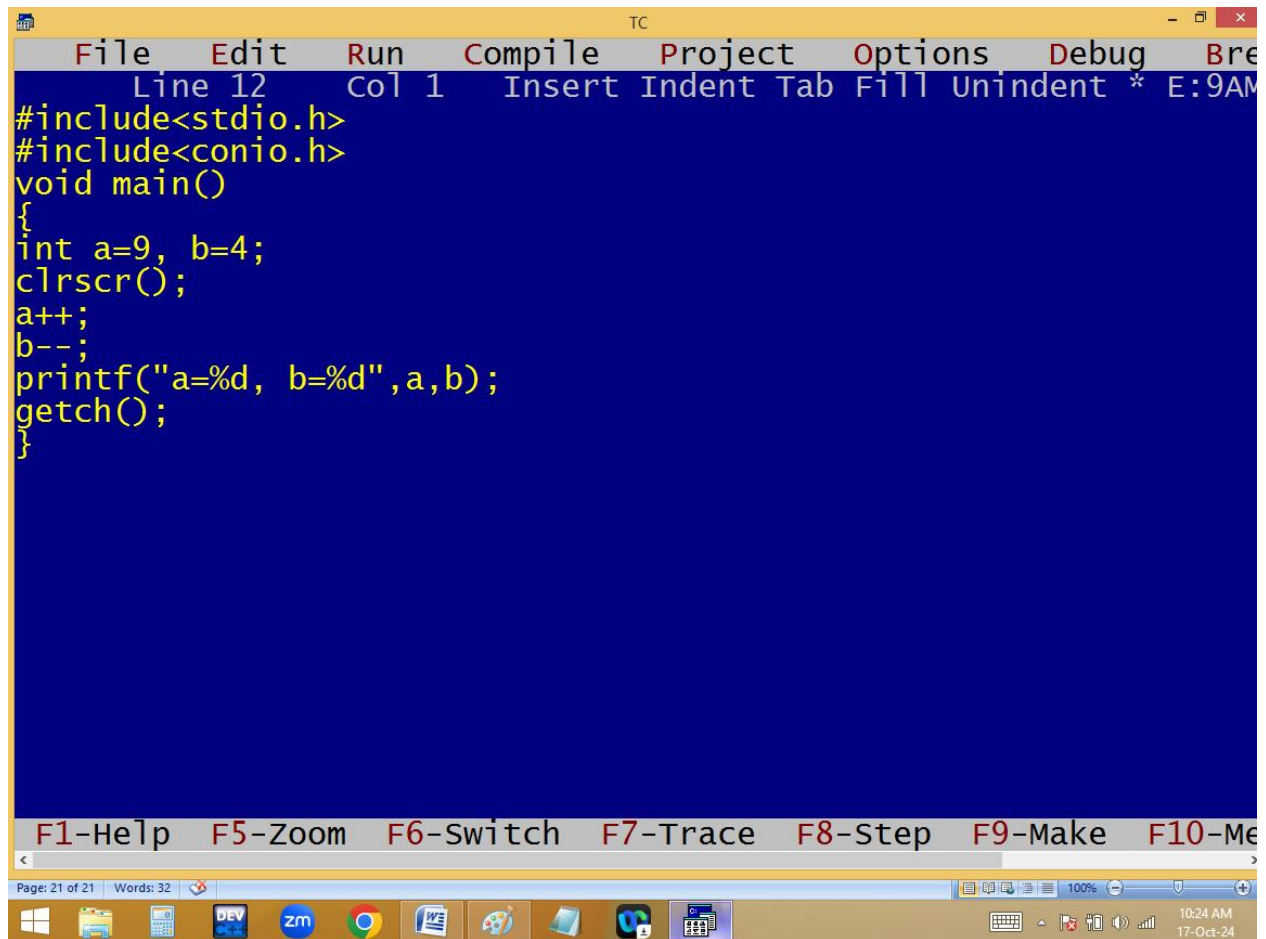
Eg:

a=9;

b=4;

`a++;` i.e. `a=a+1` → `a=10`

`b--;` i.e. `b=b-1` → `b=3`

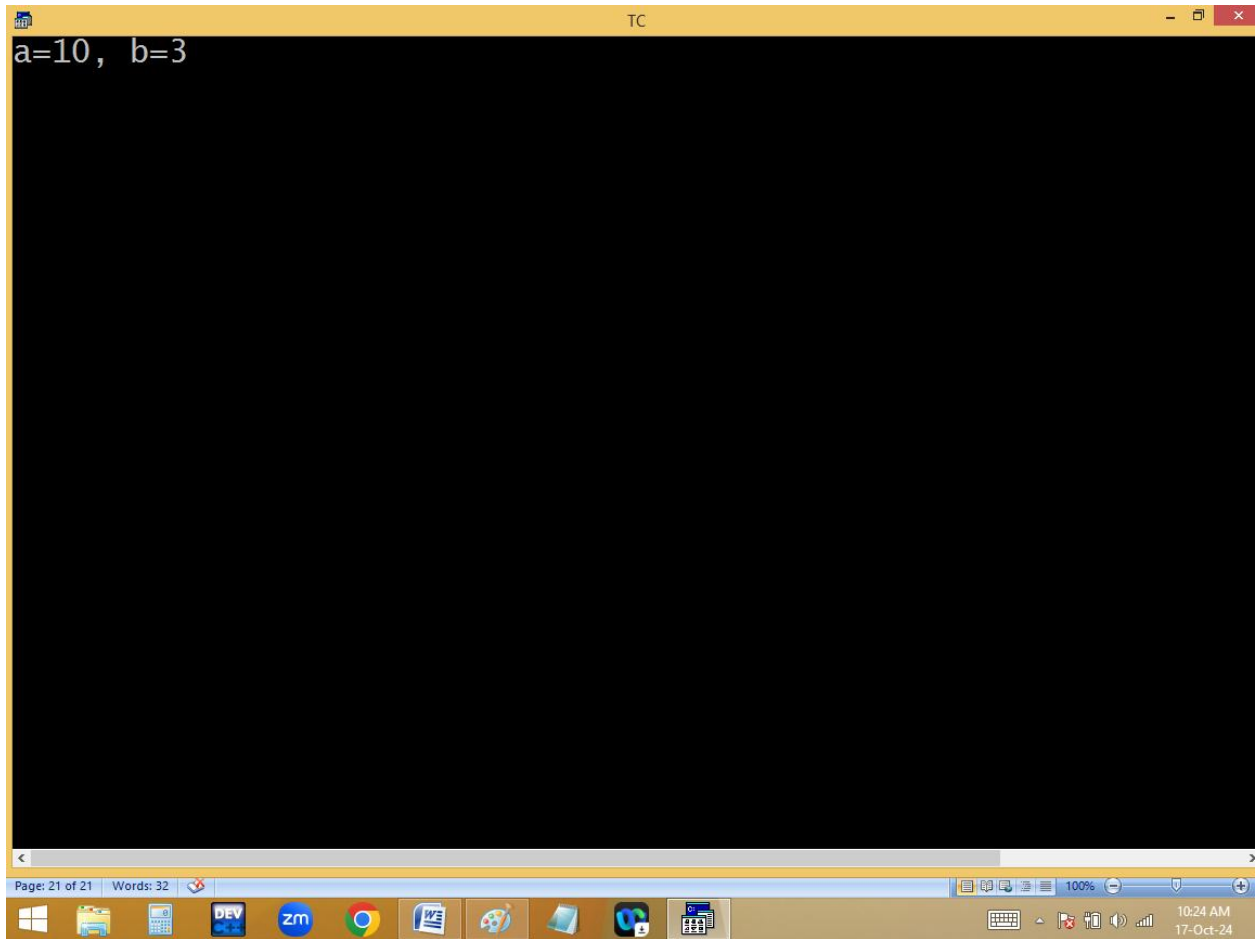


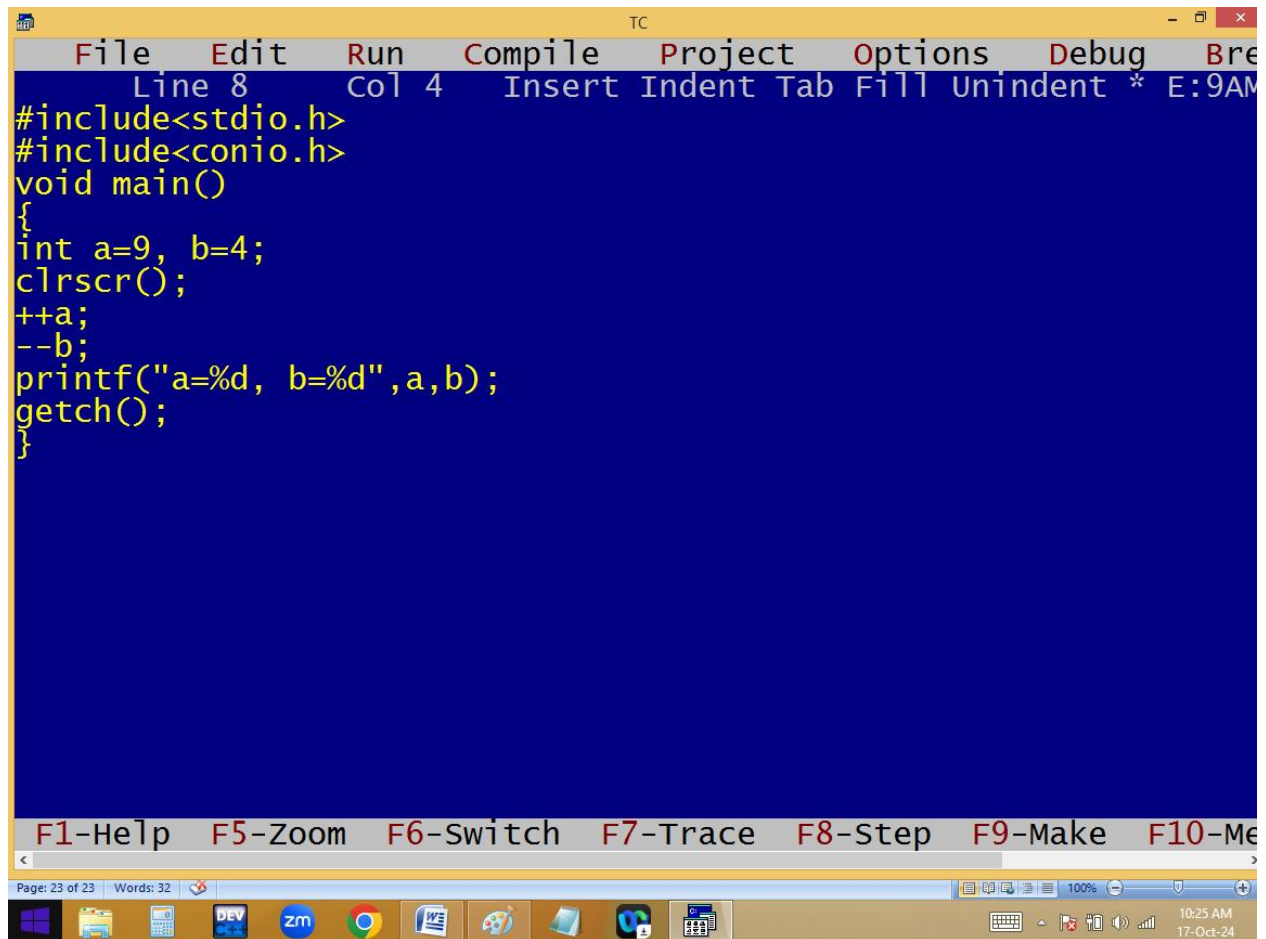
```
TC
File Edit Run Compile Project Options Debug Break
Line 12 Col 1 Insert Indent Tab Fill Unindent * E:9AM
#include<stdio.h>
#include<conio.h>
void main()
{
int a=9, b=4;
clrscr();
a++;
b--;
printf("a=%d, b=%d",a,b);
getch();
}
```

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

Page: 21 of 21 Words: 32 100%

10:24 AM 17-Oct-24



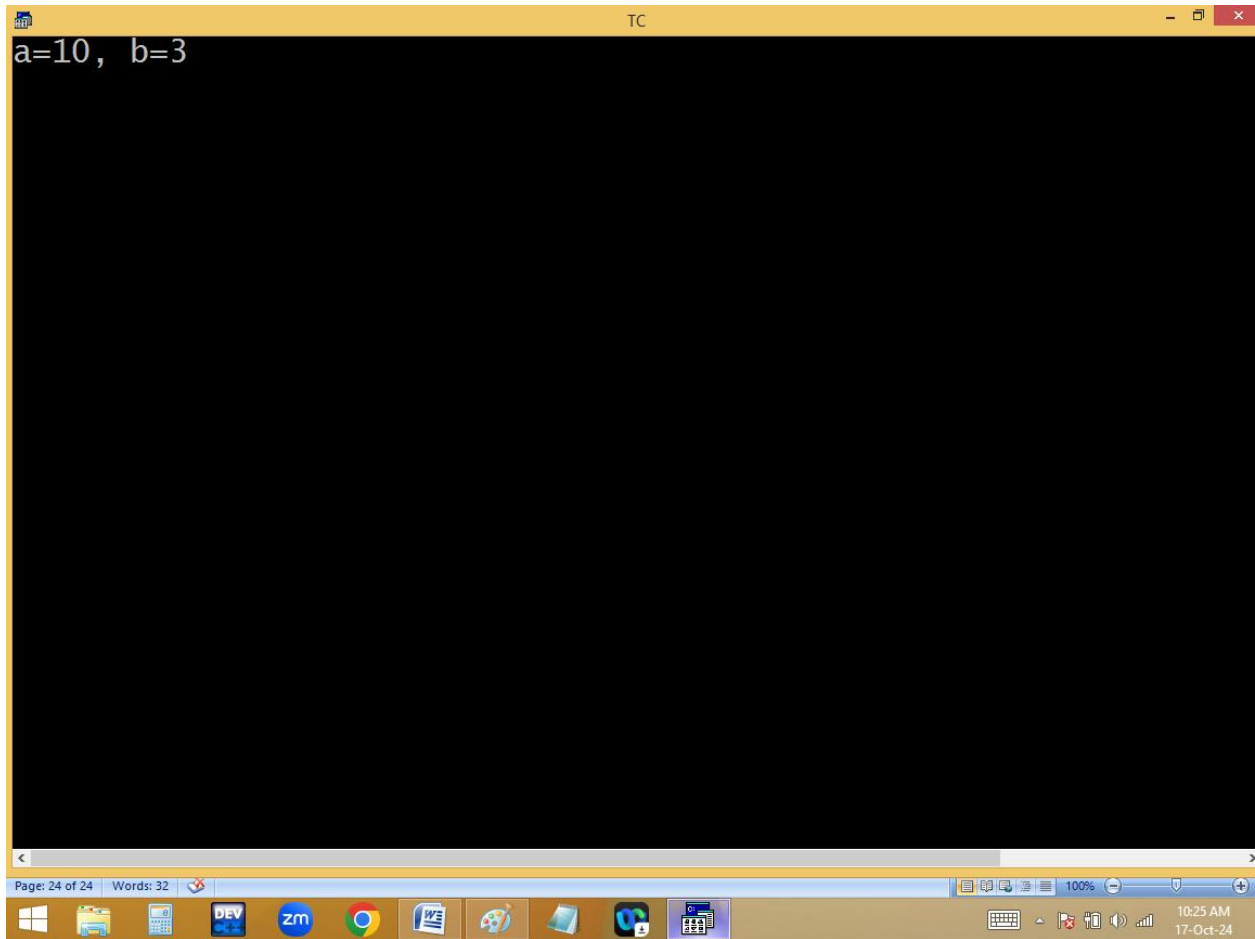


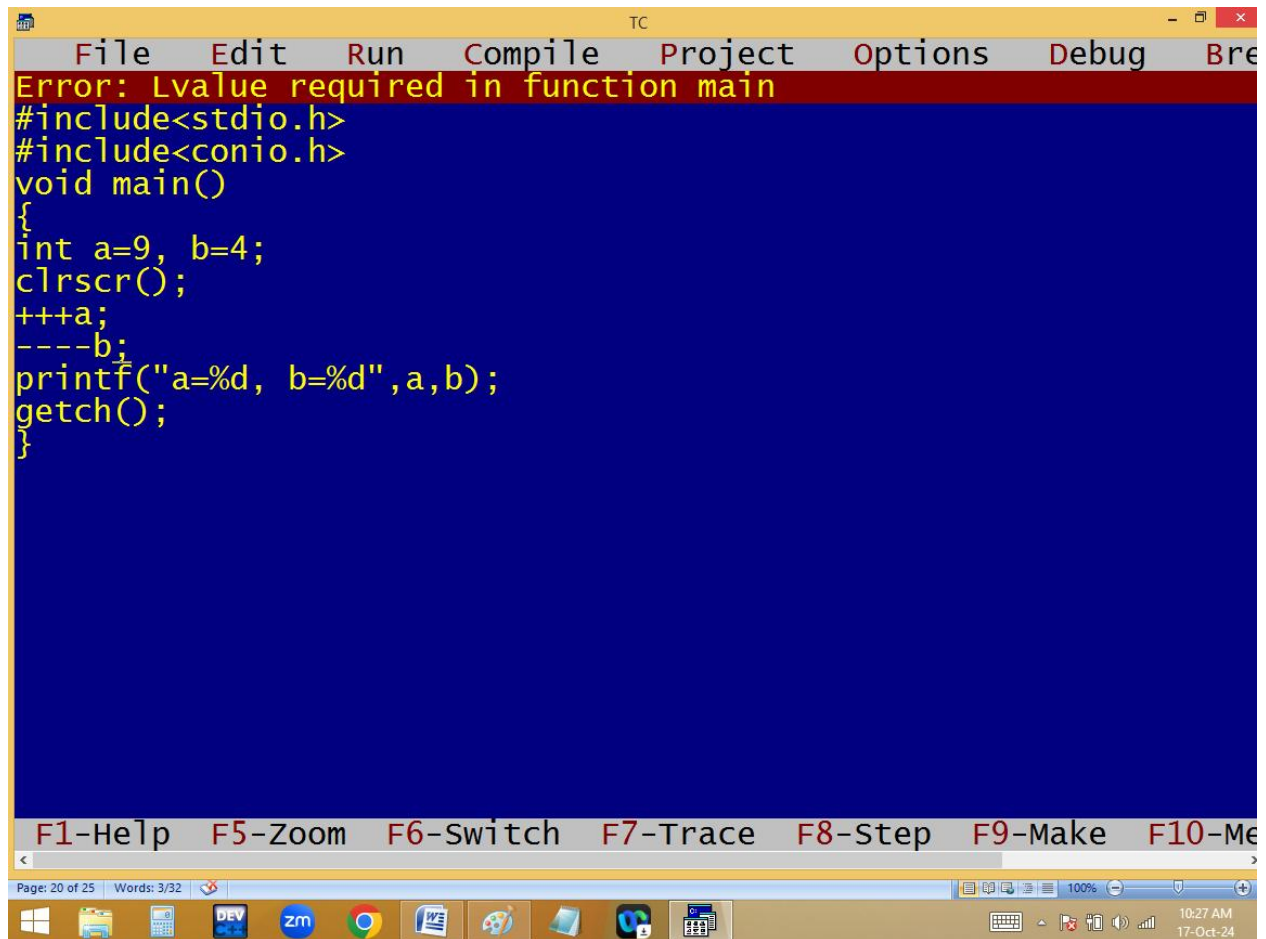
The image shows a screenshot of the Turbo C++ (TC) IDE. The main window has a dark blue background with yellow text. The menu bar at the top includes File, Edit, Run, Compile, Project, Options, Debug, and Break. Below the menu bar, the status bar shows 'Line 8' and 'Col 4'. The code being edited is a C program that includes `<stdio.h>` and `<conio.h>`, defines a `main` function, declares variables `a` and `b`, and performs arithmetic operations and printing. The taskbar at the bottom shows various application icons and the system clock.

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a=9, b=4;
clrscr();
++a;
--b;
printf("a=%d, b=%d",a,b);
getch();
}
```

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

Page: 23 of 23 Words: 32 100% 10:25 AM 17-Oct-24



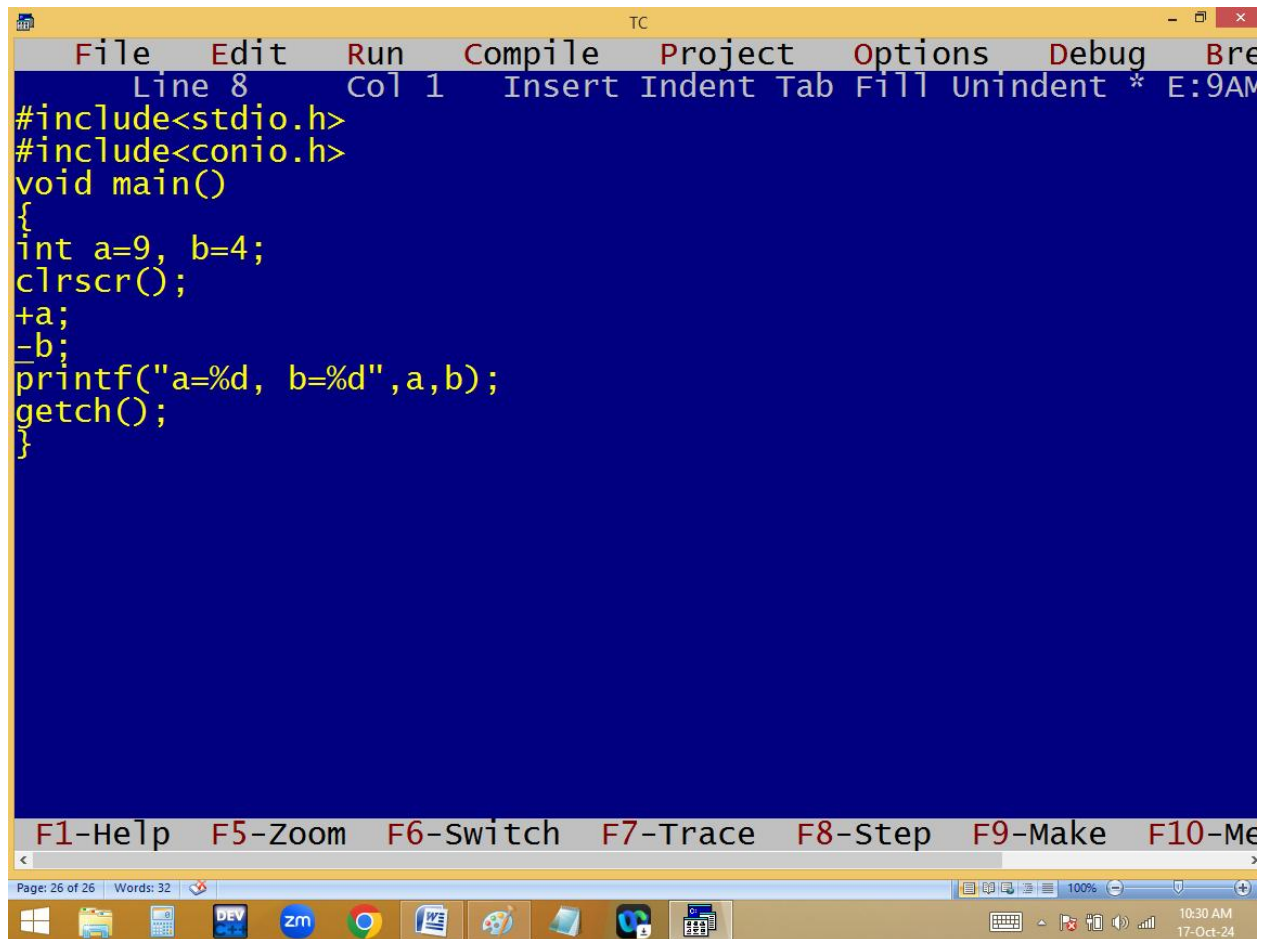


The image shows a screenshot of the Turbo C++ (TC) IDE. The title bar at the top reads "TC". The menu bar includes "File", "Edit", "Run", "Compile", "Project", "Options", "Debug", and "Break". A red error message banner at the top states "Error: Lvalue required in function main". The main editing area has a blue background and contains the following C code:

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int a=9, b=4;
    clrscr();
    +++a;
    ----b;
    printf("a=%d, b=%d",a,b);
    getch();
}
```

Below the code editor, a status bar shows "Page: 20 of 25" and "Words: 3/32". At the bottom of the window is a Windows taskbar with icons for Windows, File Explorer, Calculator, DEV C++, Zoom, Google Chrome, Word, Paint, and other applications. The system clock in the bottom right corner shows "10:27 AM" and "17-Oct-24".

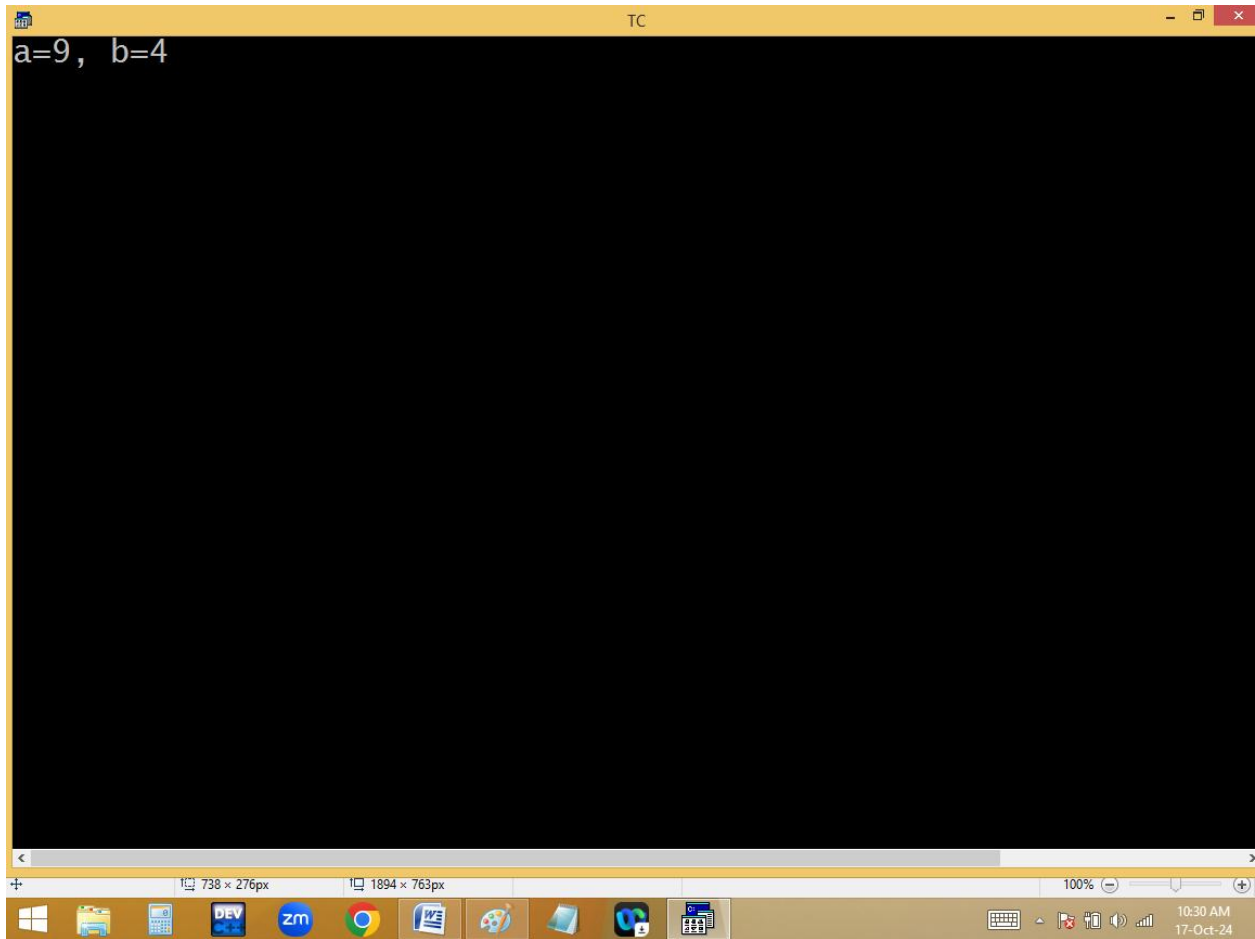
F1-Help F5-Zoom F6-Switch F7-Trace F8-Step F9-Make F10-Me

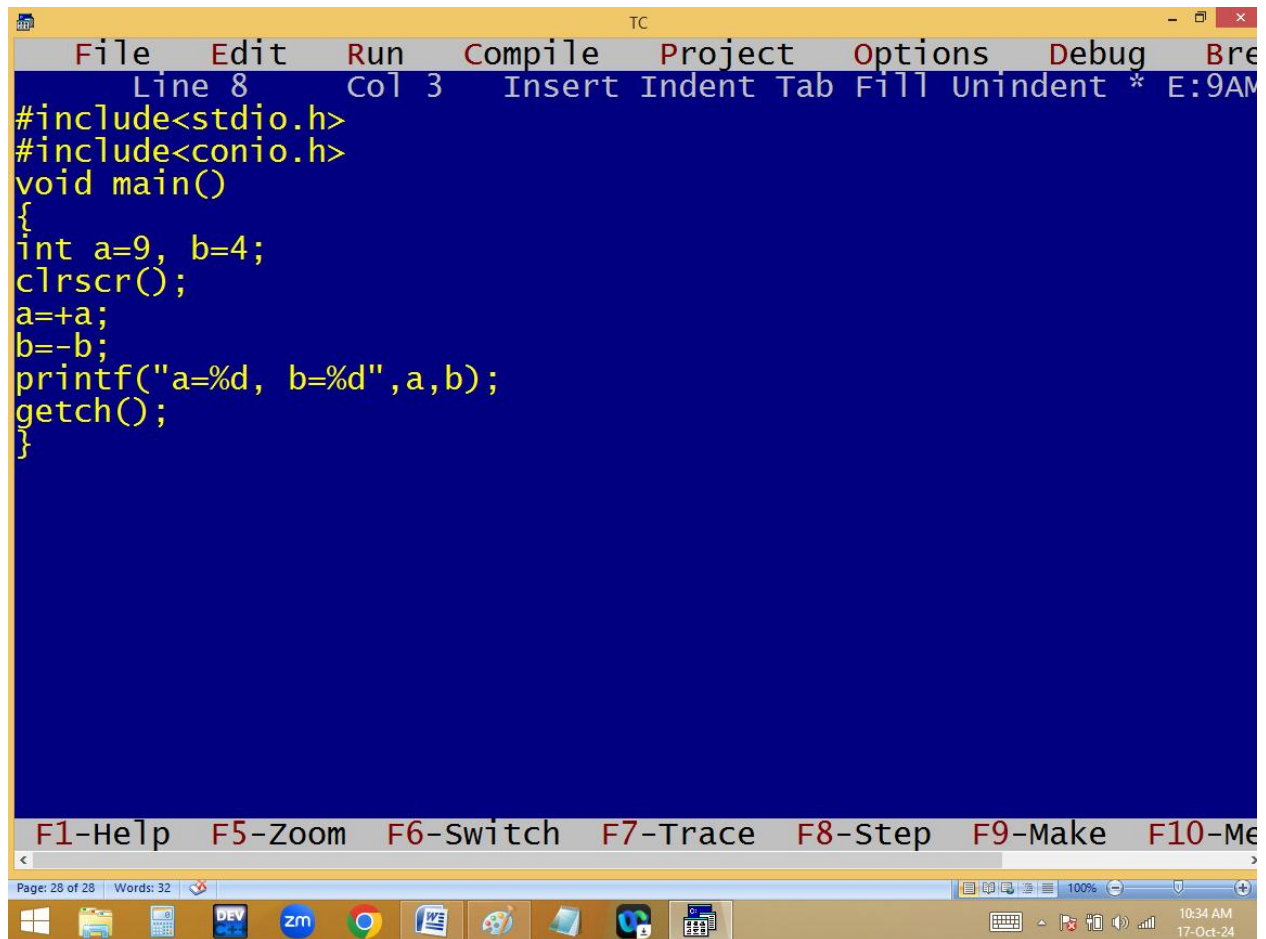


The image shows a screenshot of the Turbo C++ (TC) IDE. The window title is "TC". The menu bar includes "File", "Edit", "Run", "Compile", "Project", "Options", "Debug", and "Breakpoint". The status bar at the top indicates "Line 8", "Col 1", and "Insert Indent Tab Fill Unindent * E:9AM". The main editing area has a dark blue background with yellow text. The code is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a=9, b=4;
clrscr();
+a;
-b;
printf("a=%d, b=%d",a,b);
getch();
}
```

Below the code, there is a row of function key shortcuts: "F1-Help", "F5-Zoom", "F6-Switch", "F7-Trace", "F8-Step", "F9-Make", and "F10-Me". At the bottom, there is a status bar showing "Page: 26 of 26" and "Words: 32". The Windows taskbar is visible at the very bottom, showing icons for Windows, File Explorer, Calculator, DEV C++, Zoom, Google Chrome, Word, Paint, and other applications. The system clock shows "10:30 AM" and "17-Oct-24".

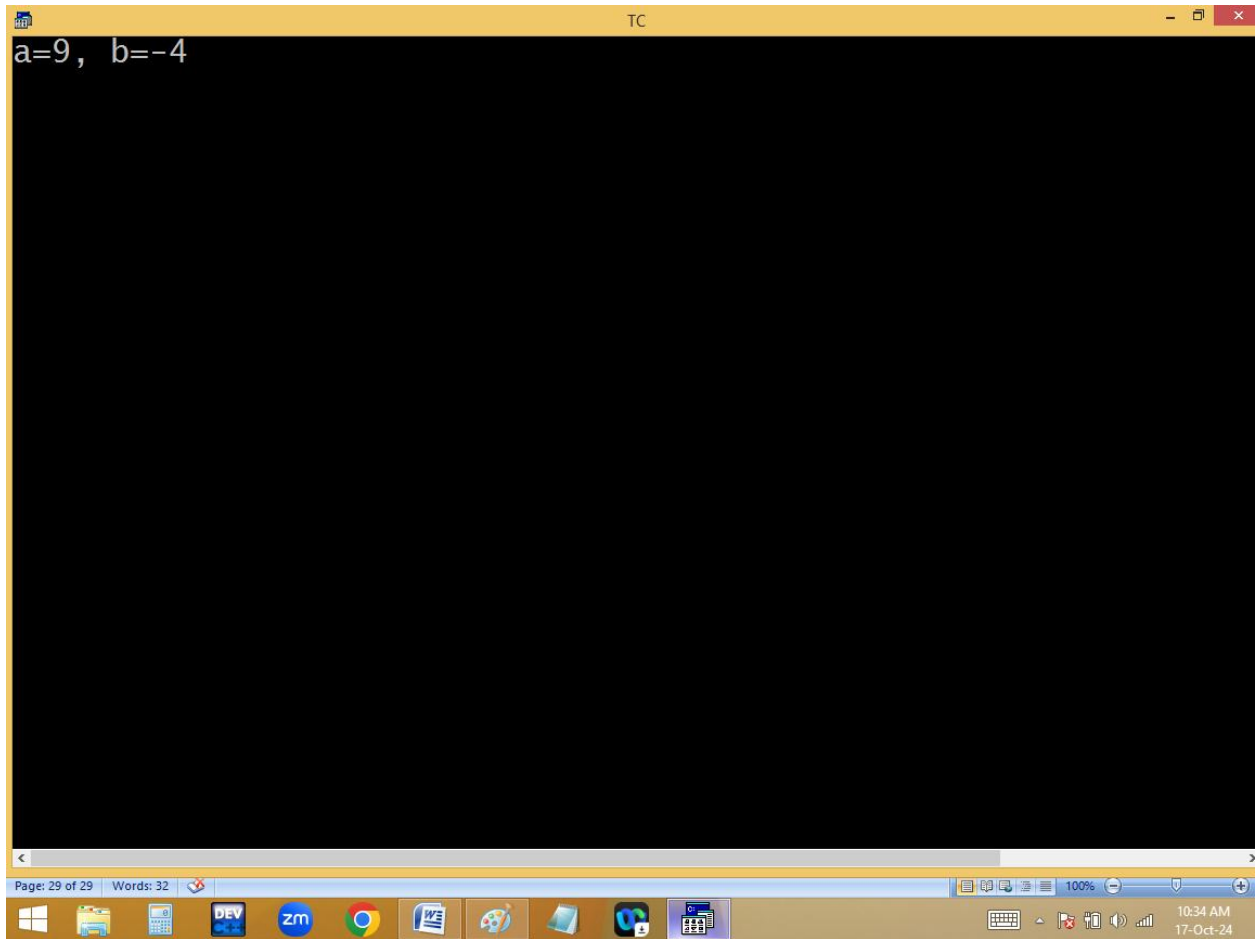


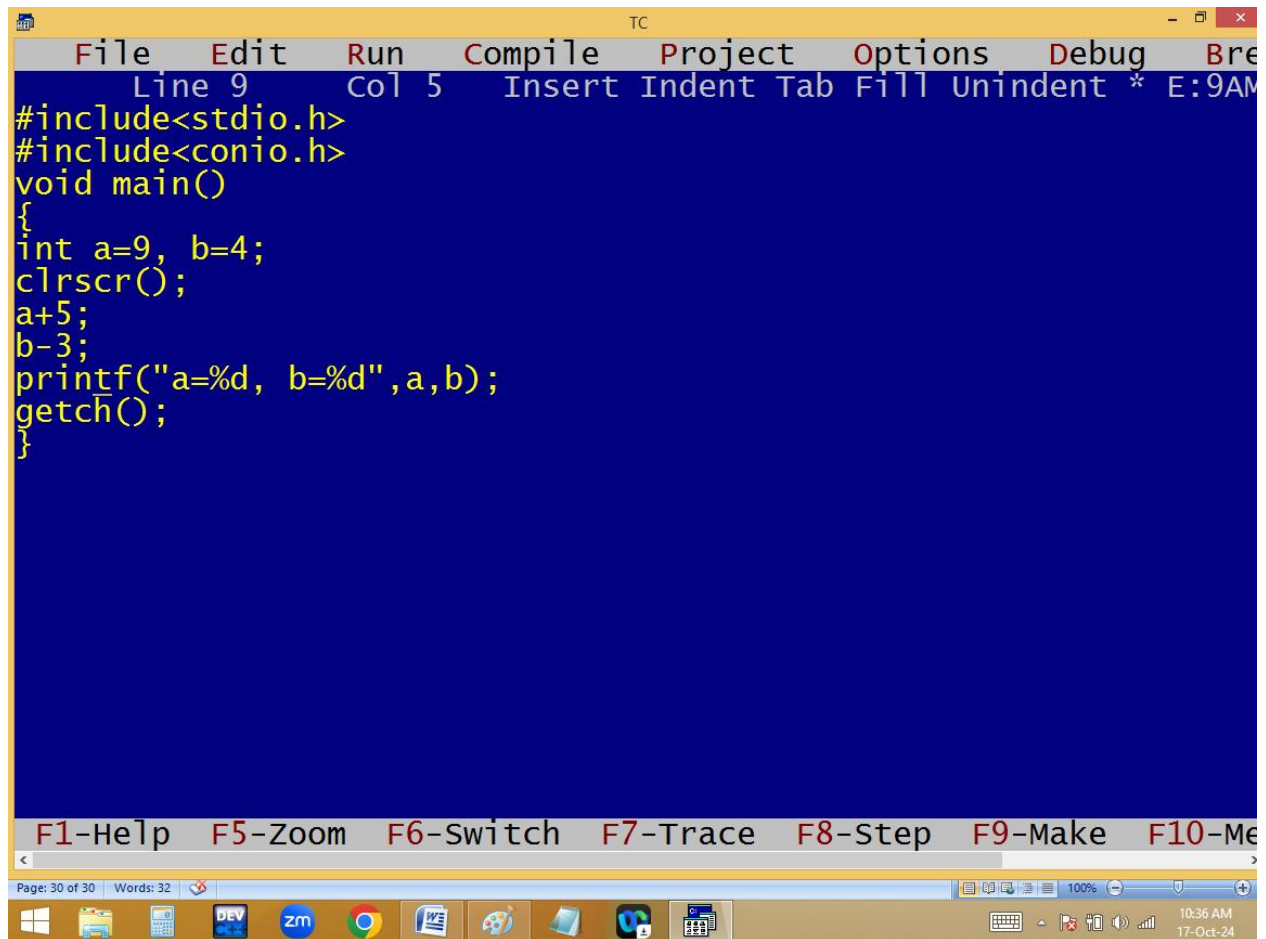


The image shows a screenshot of the Turbo C++ (TC) IDE. The window title is "TC". The menu bar includes "File", "Edit", "Run", "Compile", "Project", "Options", "Debug", and "Break". The status bar at the top indicates "Line 8", "Col 3", and "Insert Indent Tab Fill Unindent * E:9AM". The main editing area has a blue background and contains the following C code:

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a=9, b=4;
clrscr();
a+=a;
b=-b;
printf("a=%d, b=%d",a,b);
getch();
}
```

Below the code area, there is a toolbar with function key shortcuts: "F1-Help", "F5-Zoom", "F6-Switch", "F7-Trace", "F8-Step", "F9-Make", and "F10-Me". The bottom status bar shows "Page: 28 of 28" and "Words: 32". The Windows taskbar at the very bottom displays various application icons, including Windows Explorer, Calculator, DEV C++, Zoom, Google Chrome, Word, Paint, and others. The system clock in the bottom right corner shows "10:34 AM" and "17-Oct-24".



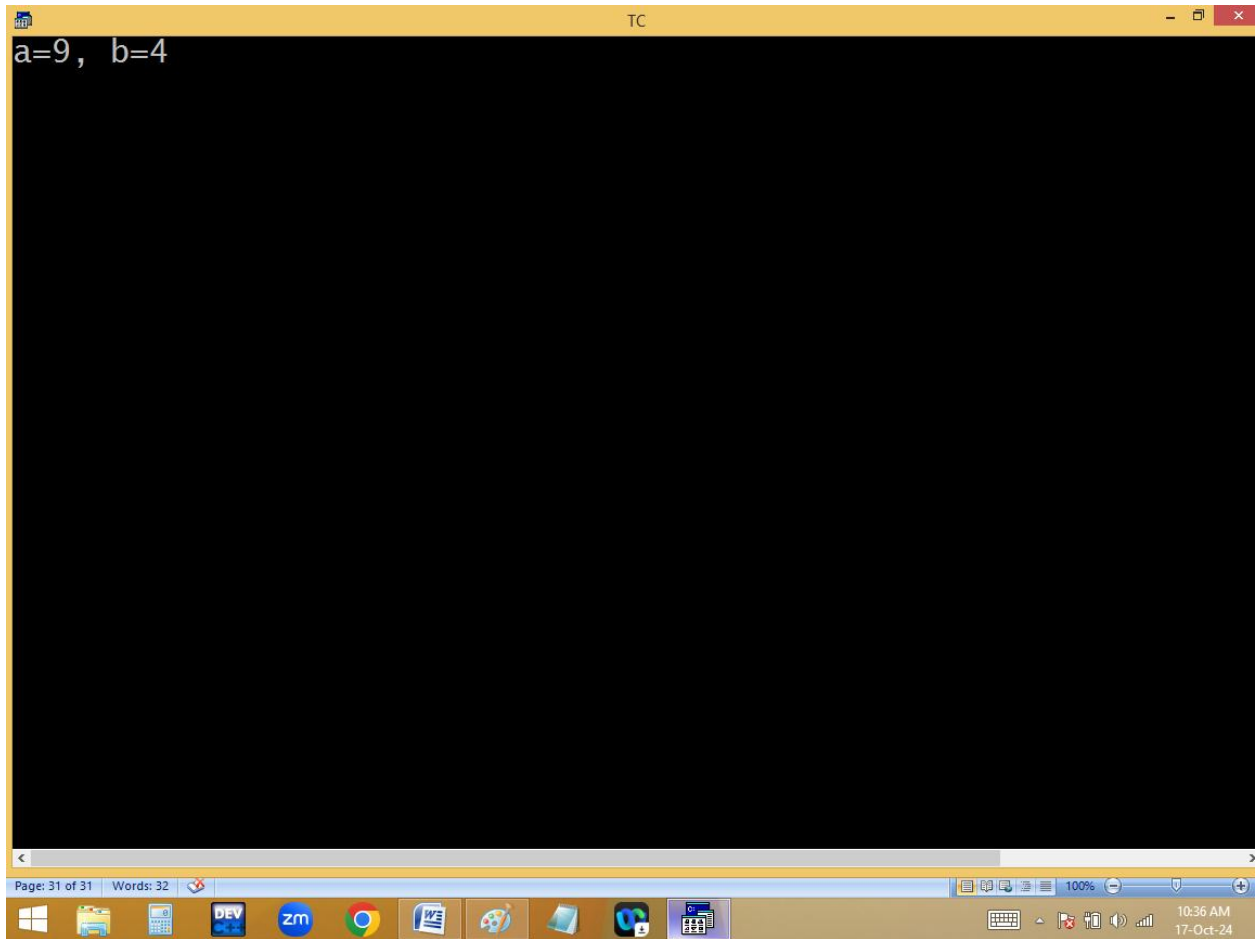


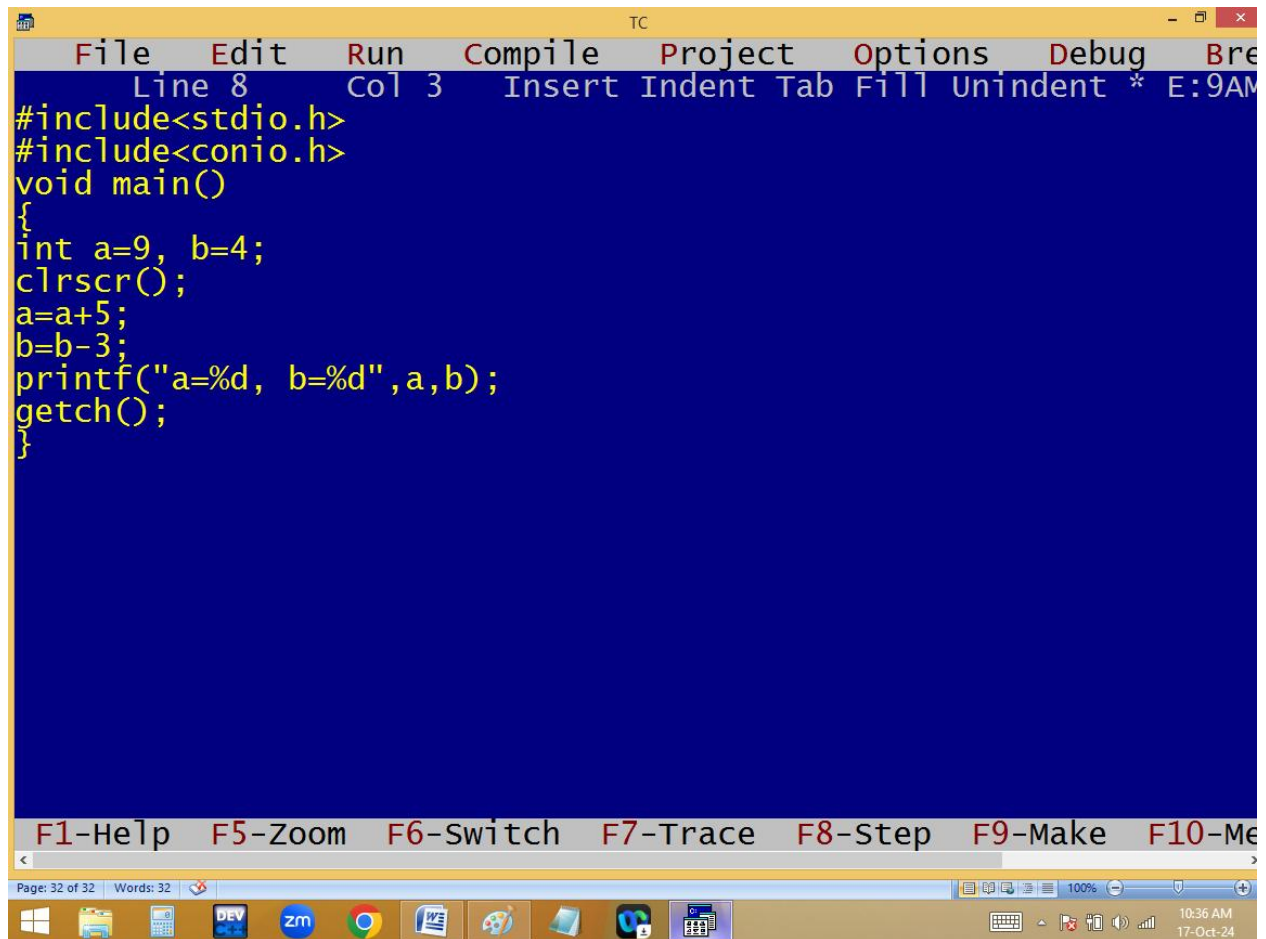
```
TC
File Edit Run Compile Project Options Debug Break
Line 9 Col 5 Insert Indent Tab Fill Unindent * E:9AM
#include<stdio.h>
#include<conio.h>
void main()
{
int a=9, b=4;
clrscr();
a+5;
b-3;
printf("a=%d, b=%d",a,b);
getch();
}
```

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

Page: 30 of 30 Words: 32 100%

10:36 AM 17-Oct-24

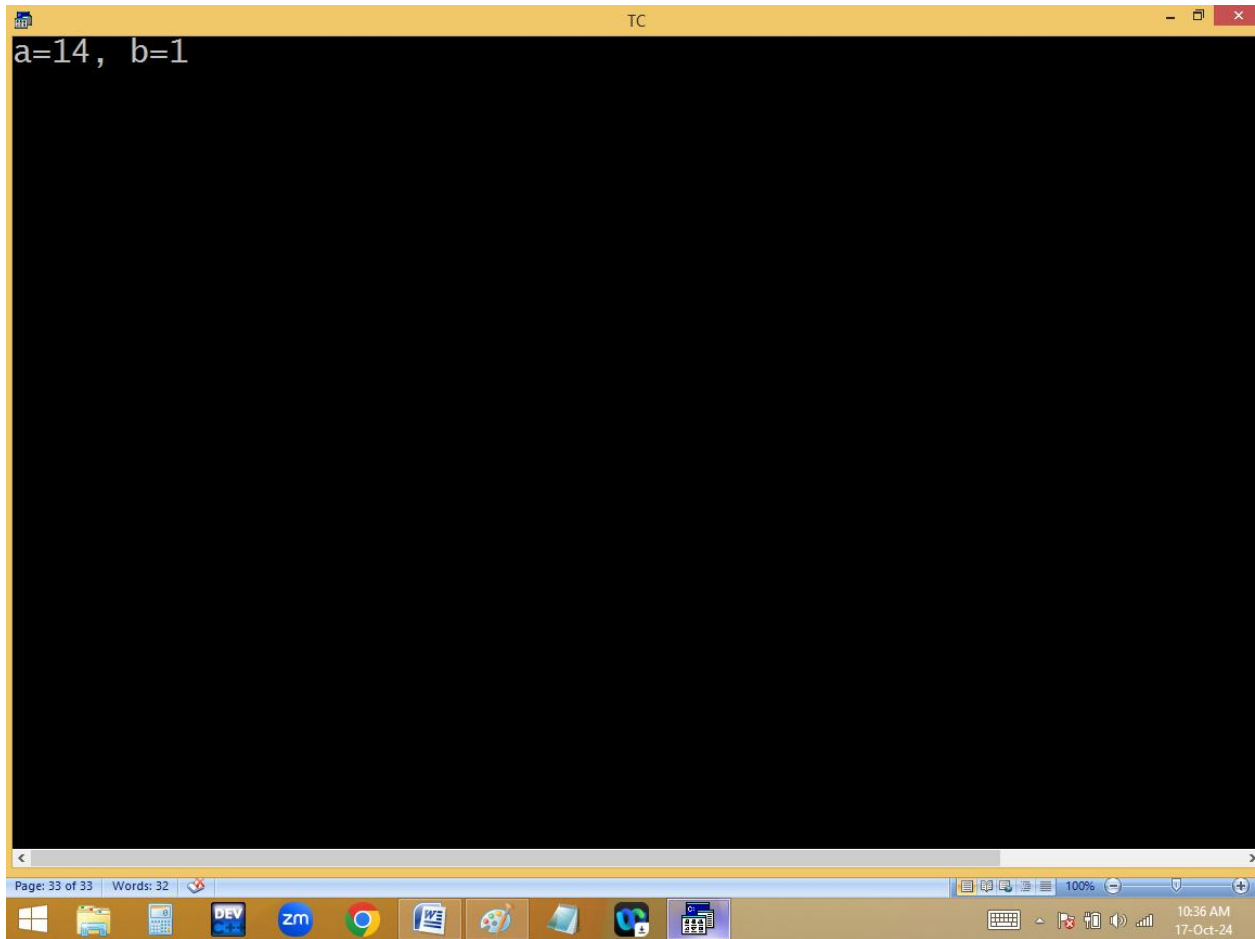




The image shows a screenshot of the Turbo C++ (TC) IDE. The window title is "TC". The menu bar includes "File", "Edit", "Run", "Compile", "Project", "Options", "Debug", and "Breakpoint". The status bar at the top indicates "Line 8", "Col 3", and "Insert Indent Tab Fill Unindent * E:9AM". The main editing area has a dark blue background with yellow text. The code is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a=9, b=4;
clrscr();
a=a+5;
b=b-3;
printf("a=%d, b=%d",a,b);
getch();
}
```

Below the code area, there is a toolbar with function key shortcuts: "F1-Help", "F5-Zoom", "F6-Switch", "F7-Trace", "F8-Step", "F9-Make", and "F10-Me". The bottom status bar shows "Page: 32 of 32" and "Words: 32". The Windows taskbar at the very bottom contains icons for the Start menu, File Explorer, Calculator, DEV C++, Zoom, Google Chrome, Word, Paint, and other background applications. The system clock in the bottom right corner shows "10:36 AM" and "17-Oct-24".



```
TC
File Edit Run Compile Project Options Debug Bre
Line 11 Col 37 Insert Indent Tab Fill Unindent * E:9AM
#include<stdio.h>
#include<conio.h>
void main()
{
int a=3, b;
clrscr();
b=a++;
printf("a=%d, b=%d\n",a,b); /* 4 3 */
a=3;
b=++a;
printf("a=%d, b=%d",a,b); /* 4 4 */
getch();
}
```

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

Page: 34 of 34 Words: 32 100% 10:39 AM 17-Oct-24

postfix increment:

a = 3

b = a++;

priority: = , a++

1. b = a ==> b = 3

2. a++ ==> a = 4

prefix increment:

a = 3

b = ++a;

priority: ++a, =

1. ++a ==> a = 4

2. b = a ==> b = 4

Note: Until using 2nd variable, pre and post operations are same.

