

The image shows a screenshot of the Dev-C++ 5.11 IDE. The top window displays a C++ program in `inc.cpp`. The code is as follows:

```
1 #include<stdio.h>
2 main()
3 {
4     int a=2,b;
5     b = a++ + a++ + a++;
6     printf("a=%d, b=%d\n",a,b);
7     a=2;
8     b = ++a + ++a + ++a;
9     printf("a=%d, b=%d",a,b);
10 }
```

The bottom window shows the execution output:

```
a=5, b=9
a=5, b=13
-----
Process exited after 1.539 seconds with return value 0
Press any key to continue . . .
```

The IDE interface includes a menu bar (File, Edit, Search, View, Project, Execute, Tools, AStyle, Window, Help), a toolbar, and a status bar at the bottom showing the file path `C:\Users\kishore sir\Documents\inc.exe` and the system clock (9:41 AM, 05-Jul-24).

$a=2$

$\nearrow^3 \searrow \nearrow^4 \searrow \nearrow^5 \checkmark$

$b = a++ + a++ + a++;$

$\downarrow \quad \downarrow$

$2 + 3 + 4 = 9$

$a = \cancel{2} \ \cancel{3} \ \cancel{4} \ 5$

$b = \overline{++a} + \overline{++a} + \overline{++a};$

$\underline{4 + 4}$

$\underline{8} + 5 = 13$

TC

Line 16 Col 1 Insert Indent Tab Fill Unindent * E:9AM.C

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a=2;
clrscr();
a = a++ + ++a;
printf("a=%d\n",a);
a=2;
printf("a=%d\n",a++ + ++a);
a=2;
printf("a=%d, a=%d\n",a++ + ++a, ++a + a++);
printf("a=%d",a);
getch();
}
```

TC

a=6
a=10, a=6
a=6_

9:53 AM 05-Jul-24

9:54 AM 05-Jul-24

a=2

a = a++ + ++a;

priority: ++a, +, =, a++

1. ++a ==> a=3

2. a = a + a ==> 3 + 3

3. a = 6

4. a++ ==> a=7

a=2

p("a=%d", a++ + ++a);

$$\begin{array}{r} \overset{3}{\nearrow} \quad \searrow \overset{4}{} \\ \underline{2} + 4 \\ 6 \end{array}$$

a=2 ~~3~~ 4 5 6 ✓

p("a=%d", a=%d", a++ + ++a, ++a + a++);

$$\begin{array}{r} \overset{10}{\nearrow} \quad \overset{6}{\nearrow} \quad \overset{5}{\nearrow} \searrow \overset{6}{} \quad \overset{4}{\nearrow} \\ \underline{4} + 6 \quad \underline{3} + 3 \\ 10 \quad 6 \end{array}$$

The image shows two windows of the Turbo C++ (TC) IDE. The top window is the source code editor, titled 'TC', with a menu bar (File, Edit, Run, Compile, Project, Options, Debug, Break/watch) and a status bar (Line 10, Col 26, Insert, Indent, Tab, Fill, Unindent, * E:9AM.C). The code is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a=2,b;
clrscr();
b = a++ == printf("Hi\n");
printf("a=%d, b=%d\n",a,b);
b && printf("Thank you");
getch();
}
```

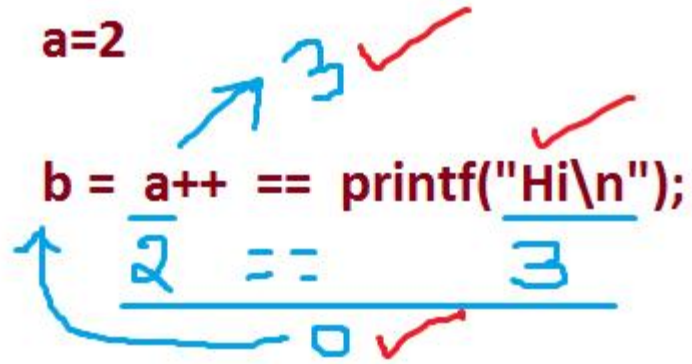
The bottom window is the output console, also titled 'TC'. It displays the program's output:

```
Hi
a=3, b=0
```

The Windows taskbar at the bottom shows the time as 9:57 AM and 9:58 AM on 05-Jul-24.

a=2

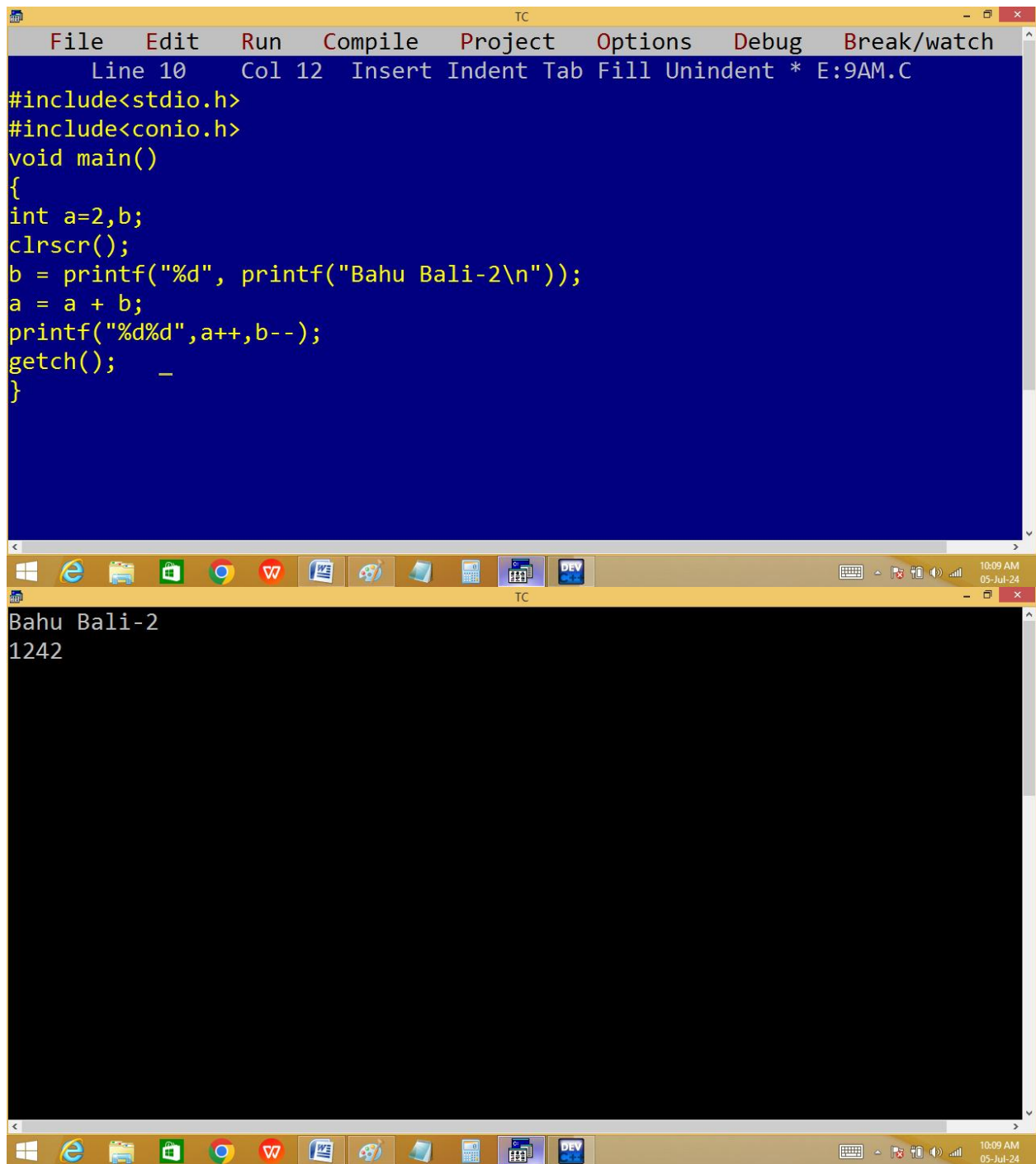
b = a++ == printf("Hi\n");



p(a, b);

b && printf("Thank you");





The image shows a screenshot of the Turbo C++ (TC) IDE. The top window is the source code editor, which has a blue background and displays a C program. The menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the bottom of the editor shows 'Line 10 Col 12 Insert Indent Tab Fill Unindent * E:9AM.C'. The code in the editor is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a=2,b;
clrscr();
b = printf("%d", printf("Bahu Bali-2\n"));
a = a + b;
printf("%d%d",a++,b--);
getch();
}
```

The bottom window is the output console, which has a black background. It displays the output of the program: 'Bahu Bali-2' followed by '1242' on the next line. The Windows taskbar is visible at the bottom of the screen, showing various application icons and the system clock indicating 10:09 AM on 05-Jul-24.

a=2

b = p("%d", p("Bahu Bali-2\n"));



a = a + b; 2 + 2 = 4 ==> a=4

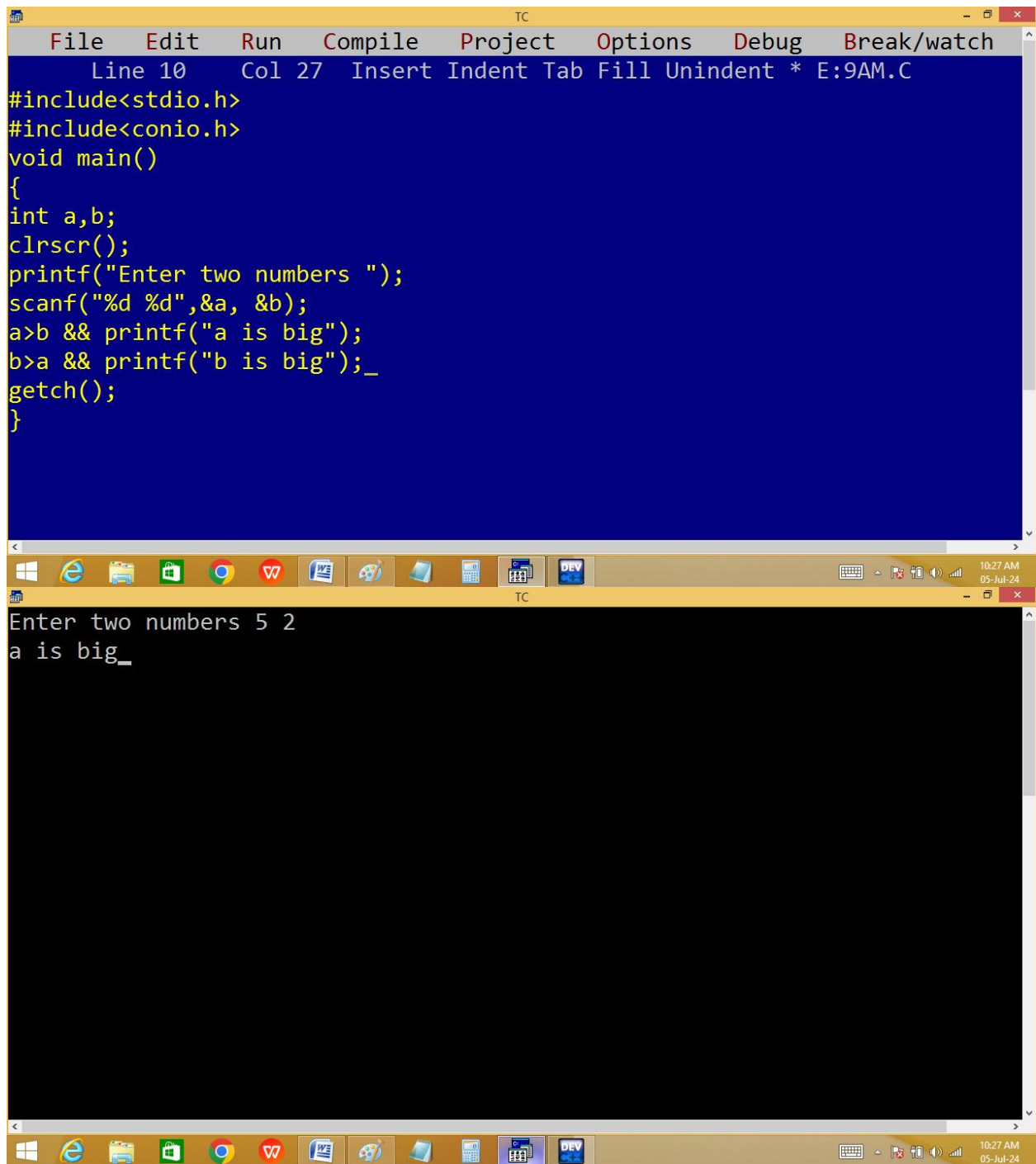
p(a++, b--);



Bahu Bali-2

1242

Write a c program to find the max in 2 no's without using if..else or ternary operator.



The image shows a screenshot of the Turbo C++ (TC) IDE. The top window displays a C program with the following code:

```
File Edit Run Compile Project Options Debug Break/watch
Line 10 Col 27 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a,b;
clrscr();
printf("Enter two numbers ");
scanf("%d %d",&a, &b);
a>b && printf("a is big");
b>a && printf("b is big");_
getch();
}
```

The bottom window shows the program's execution. It prompts the user to "Enter two numbers" and the input "5 2" is provided. The output is "a is big_".

Enter two numbers 5 2
a is big_

```
TC
Enter two numbers 3 9
b is big_
```

```
TC
Enter two numbers 4 4
```

The image shows a screenshot of the Turbo C++ (TC) IDE. The top window is the editor, displaying a C program. The menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the top indicates 'Line 11 Col 34 Insert Indent Tab Fill Unindent * E:9AM.C'. The code in the editor is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a,b;
clrscr();
printf("Enter two numbers ");
scanf("%d %d",&a, &b);
a>b && printf("a is big");
b>a && printf("b is big");
a==b && printf("Both are equal");_
getch();
}
```

The bottom window shows the program's execution. It displays the prompt 'Enter two numbers' followed by the input '4 4'. The output is 'Both are equal'. The Windows taskbar at the bottom shows the time as 10:28 AM on 05-Jul-24.

```
TC
Enter two numbers 7 2
a is big
```

```
TC
Enter two numbers 4 12
b is big
```

The image shows a screenshot of the Turbo C++ (TC) IDE. The top window is the code editor, which has a blue background and displays the following C code:

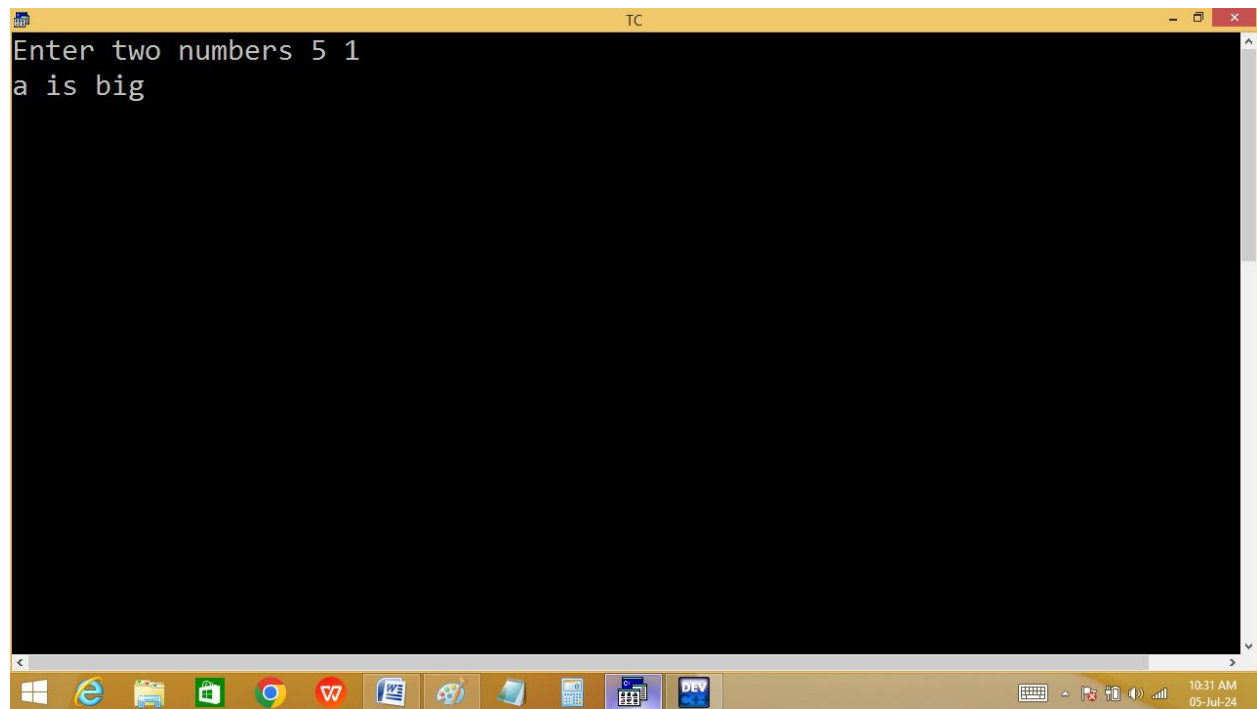
```
File Edit Run Compile Project Options Debug Break/watch
Line 10 Col 1 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a,b;
clrscr();
printf("Enter two numbers ");
scanf("%d %d",&a, &b);
a>b && printf("a is big") || printf("b is big");
getch();
}
```

The bottom window is the output console, which has a black background and shows the program's execution:

```
Enter two numbers 2 4
b is big
```

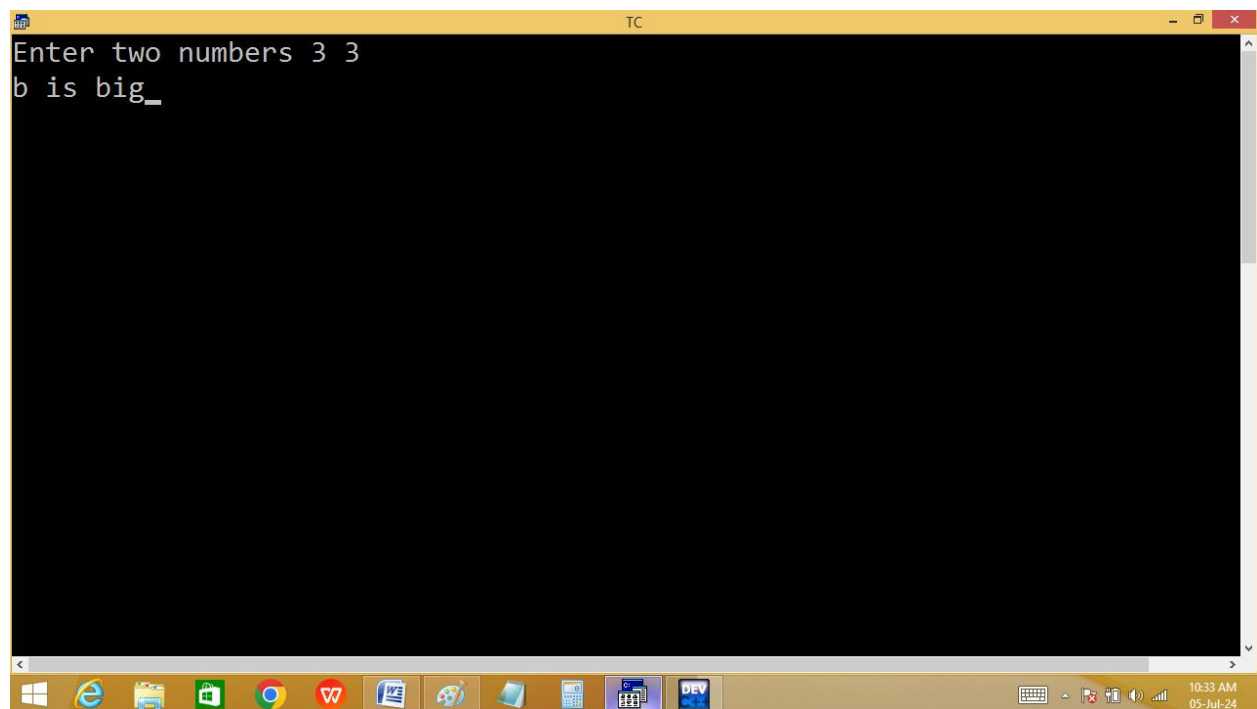
The Windows taskbar is visible at the bottom of the screen, showing various application icons and the system clock indicating 10:31 AM on 05-Jul-24.

```
TC
Enter two numbers 5 1
a is big
```

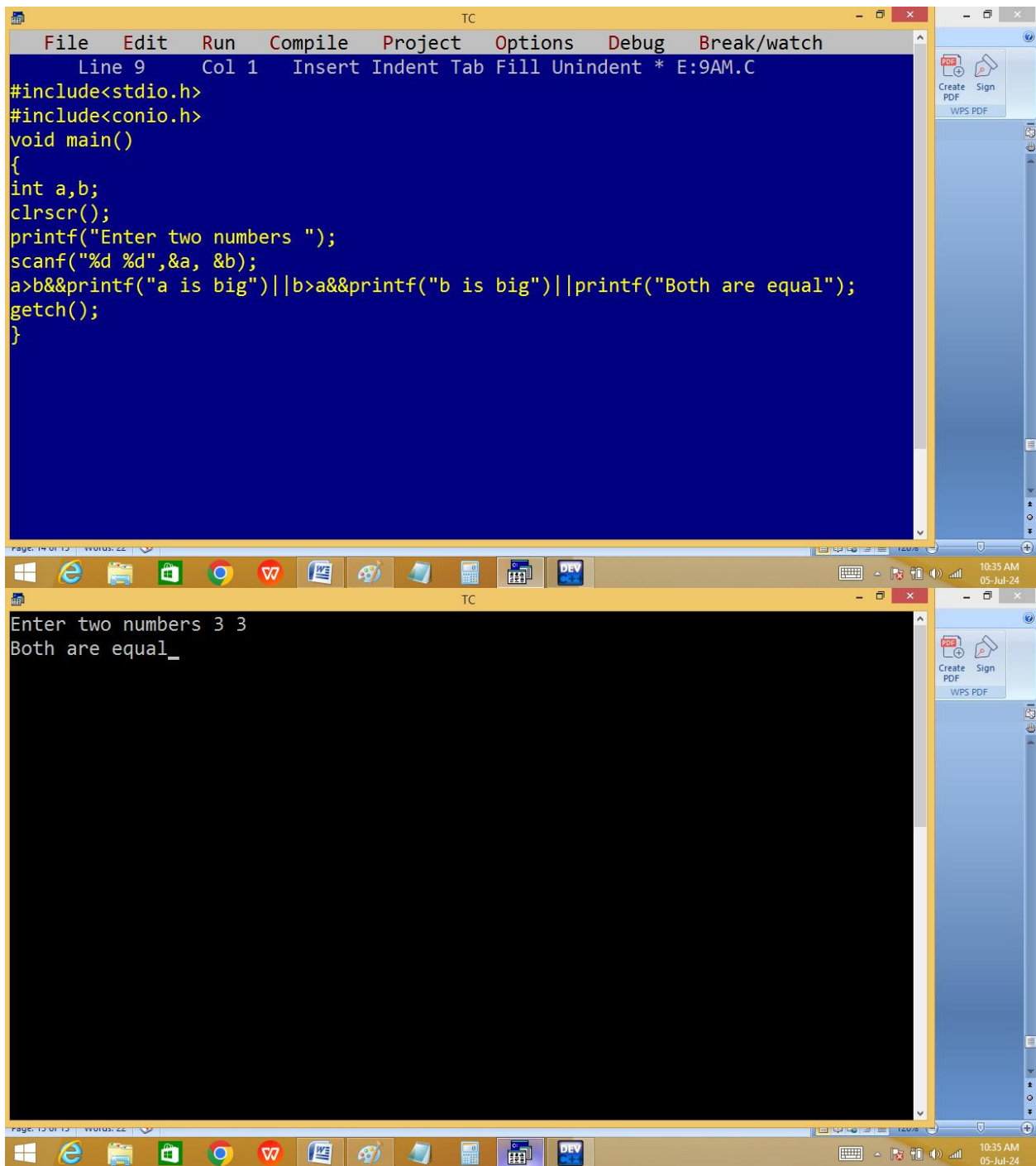


This screenshot shows a Turbo C++ IDE window titled 'TC'. The main text area contains two lines of code: 'Enter two numbers 5 1' and 'a is big'. The window has a yellow title bar and a standard Windows taskbar at the bottom with various application icons and a system clock showing 10:31 AM on 05-Jul-24.

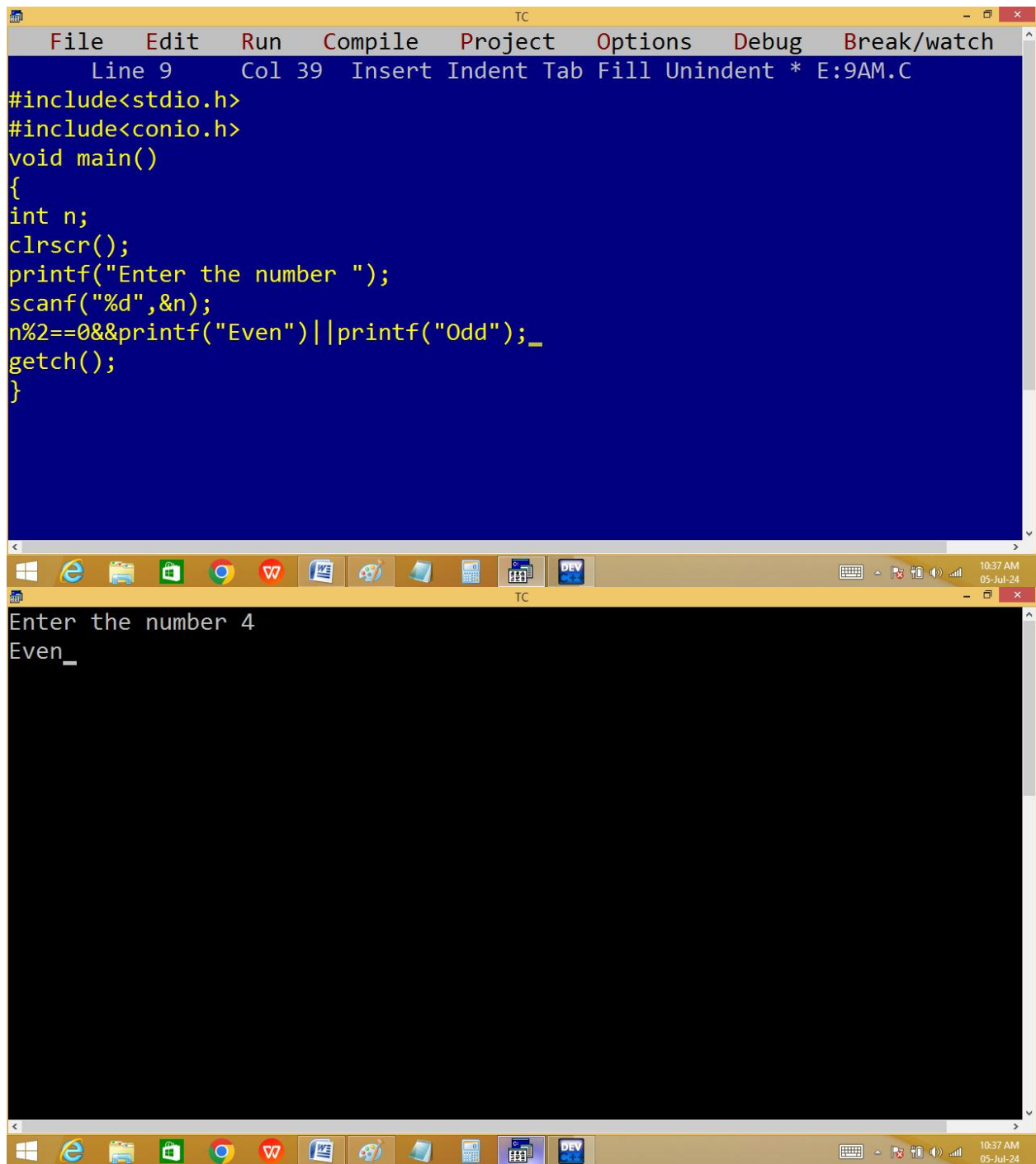
```
TC
Enter two numbers 3 3
b is big_
```



This screenshot shows a Turbo C++ IDE window titled 'TC'. The main text area contains two lines of code: 'Enter two numbers 3 3' and 'b is big_'. The window has a yellow title bar and a standard Windows taskbar at the bottom with various application icons and a system clock showing 10:33 AM on 05-Jul-24.

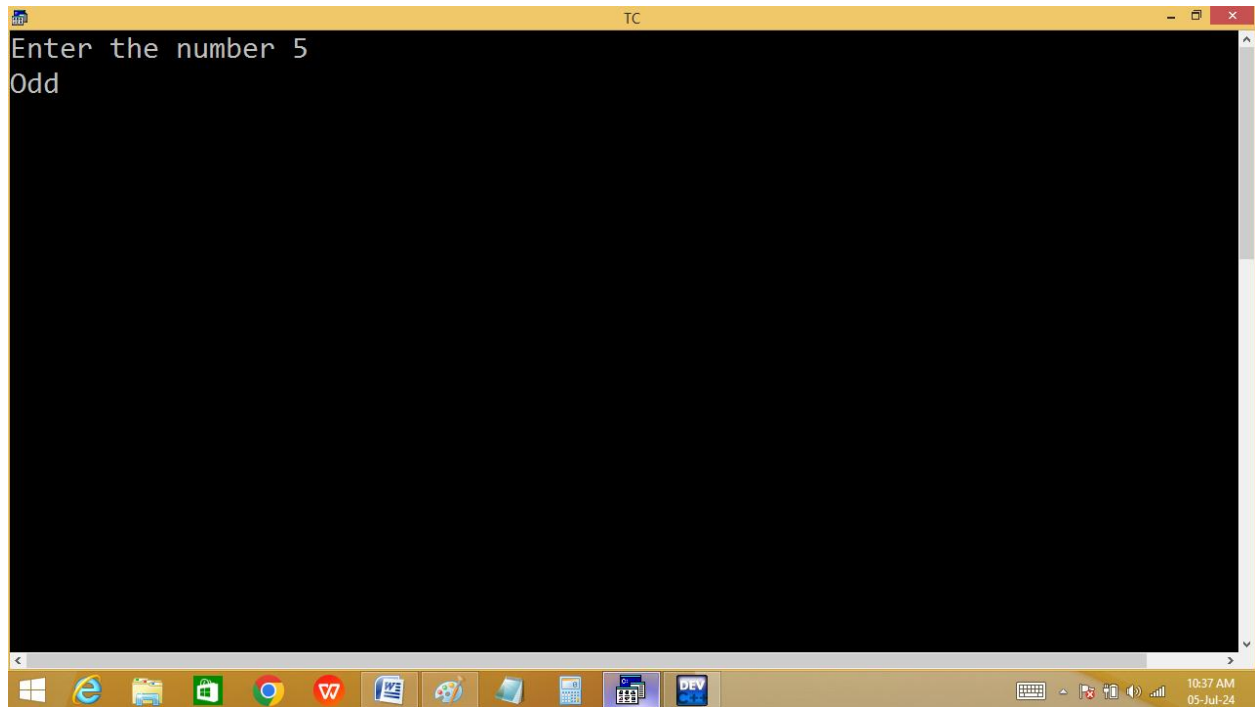


Finding even/odd without using if..else/ternary op:



```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 9 Col 39 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter the number ");
scanf("%d",&n);
n%2==0&&printf("Even")||printf("Odd");_
getch();
}
```

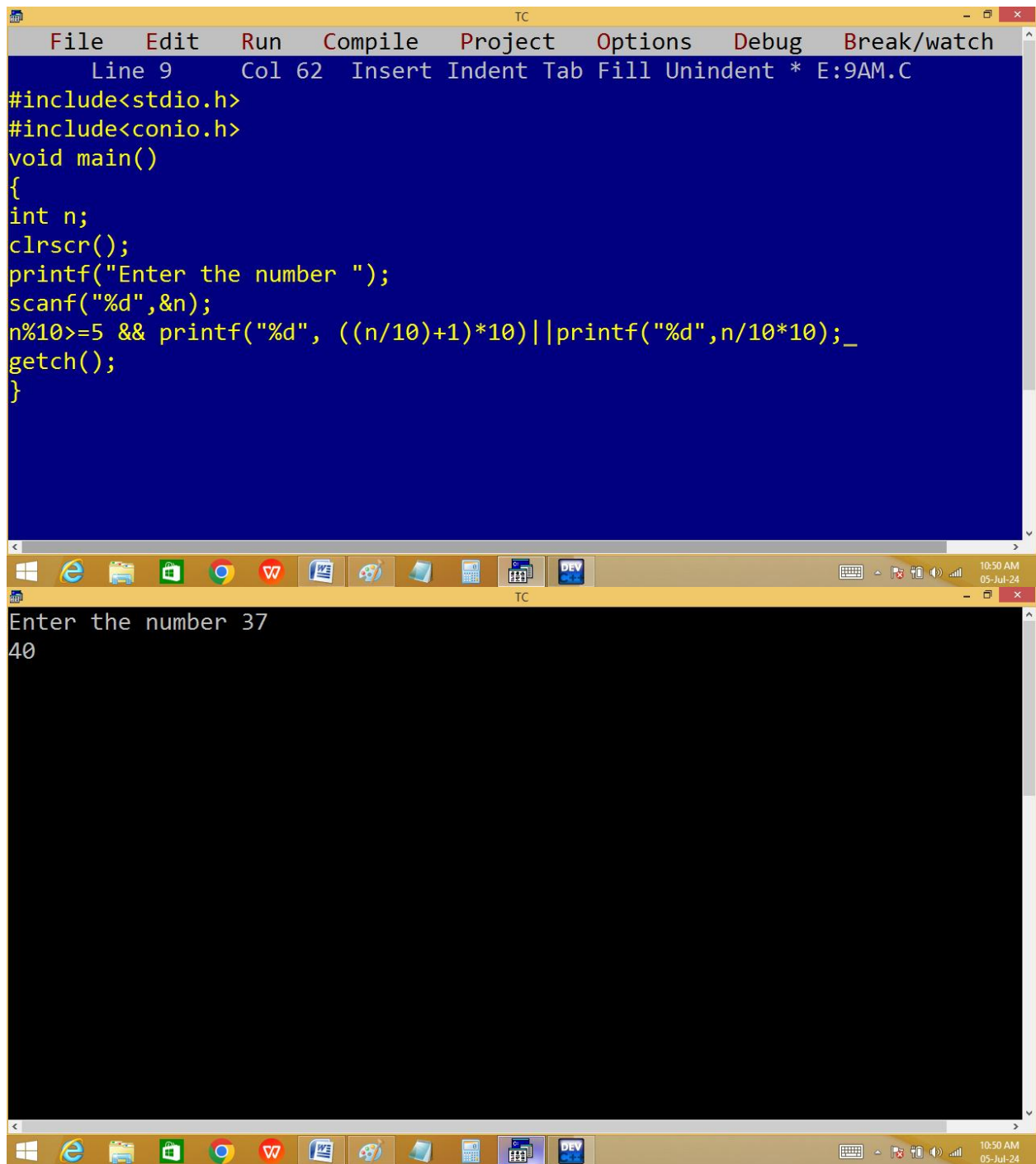
Enter the number 4
Even_



Finding next / previous multiple of given no without using if..else or ternary op.

$34 \% 10 = 4$

```
4 >= 5 || printf("%d", 34/10*10) &&  
printf("%d", (34/10)+1 * 10);
```



```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 9 Col 62 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter the number ");
scanf("%d",&n);
n%10>=5 && printf("%d", ((n/10)+1)*10)||printf("%d",n/10*10);_
getch();
}
```

Enter the number 37
40

TC

10:50 AM
05-Jul-24

