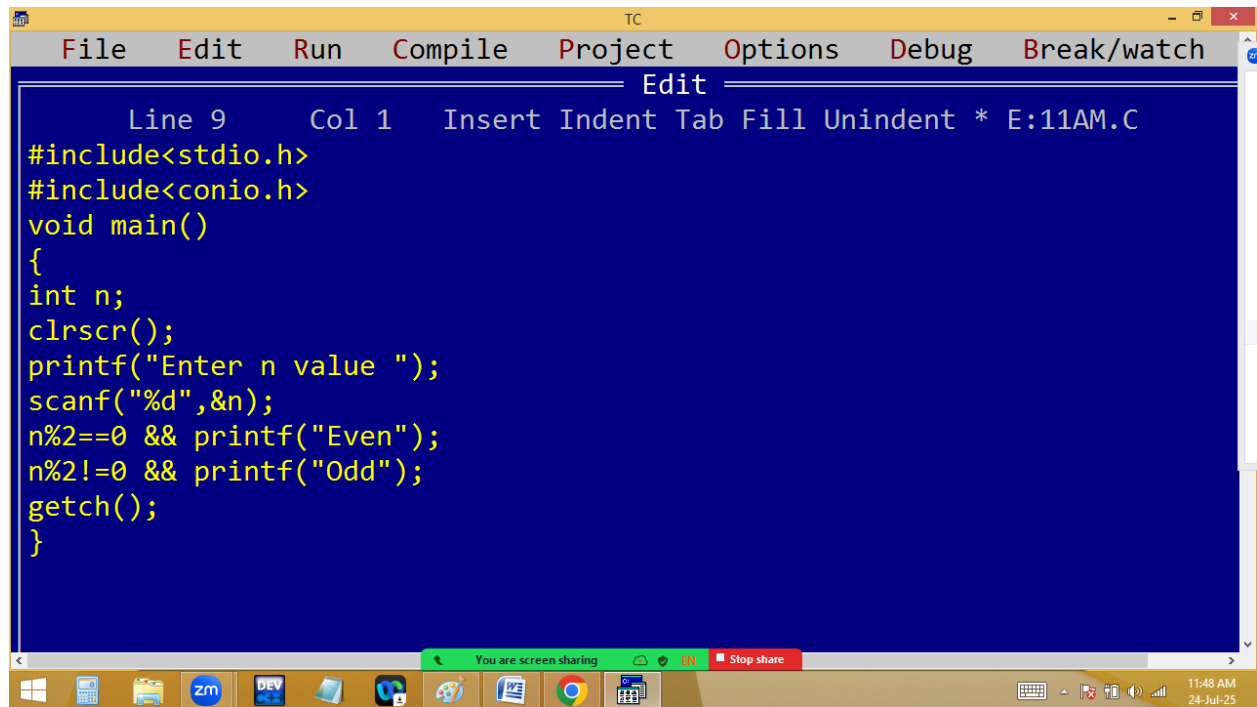


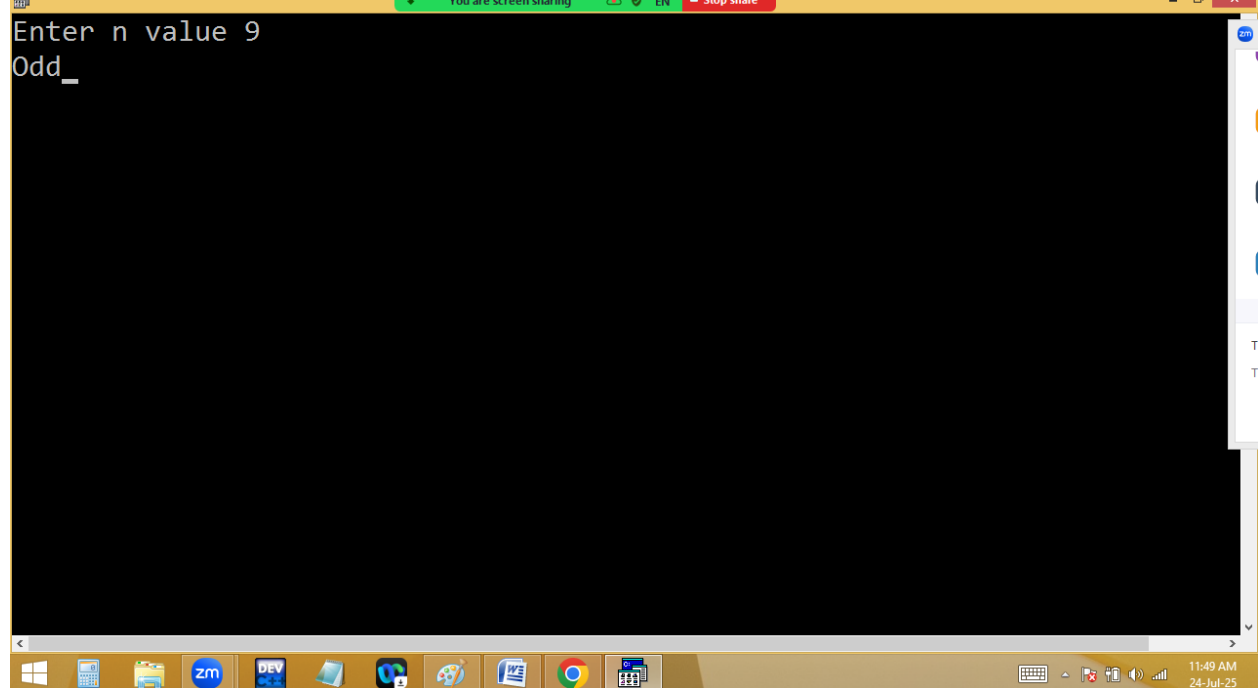
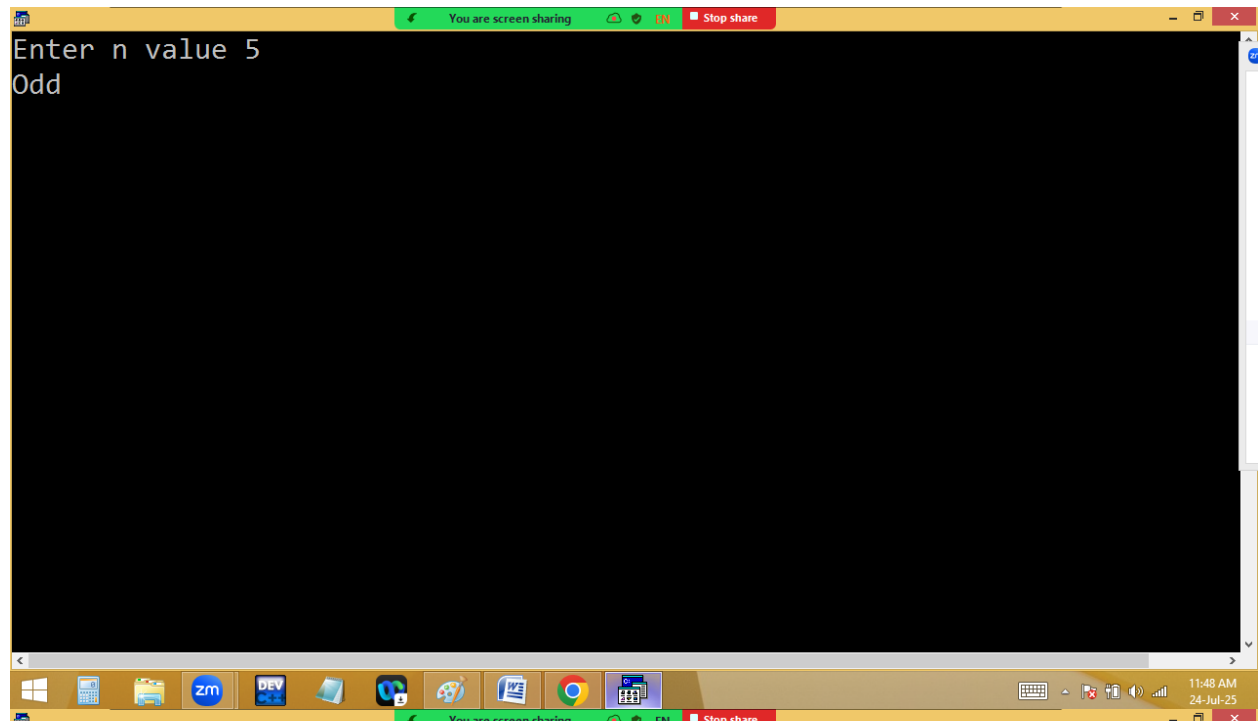
## Find even/odd without using if.else / ternary operator?

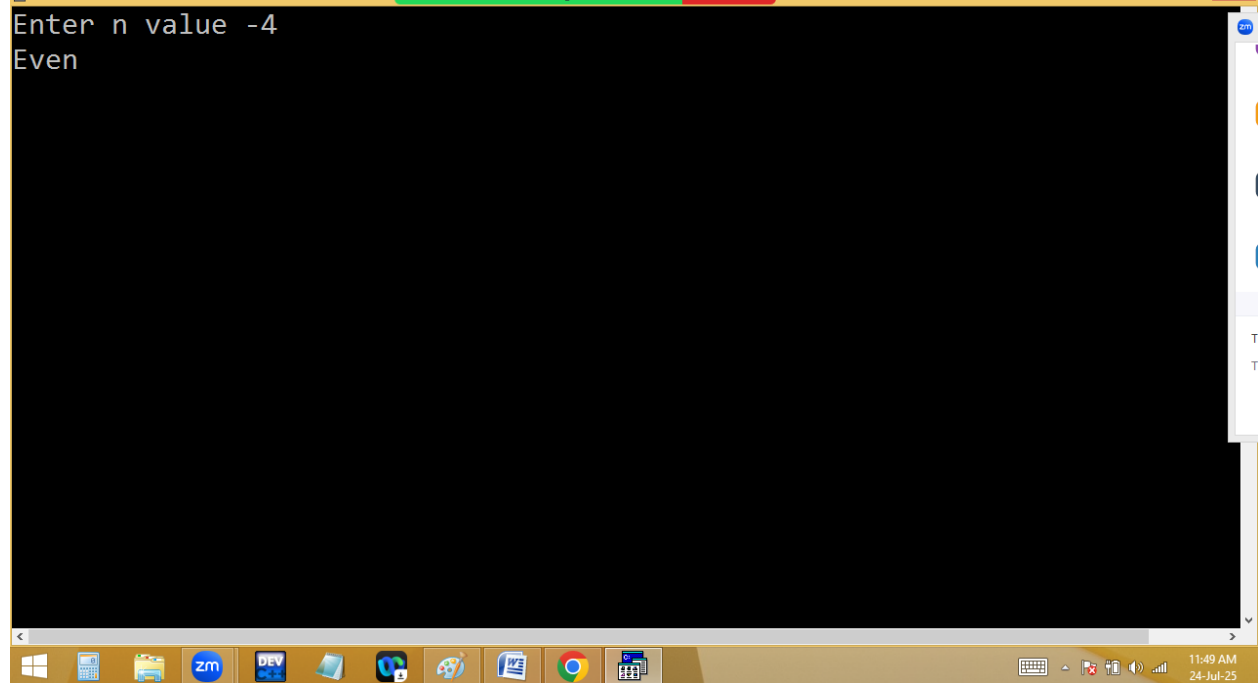
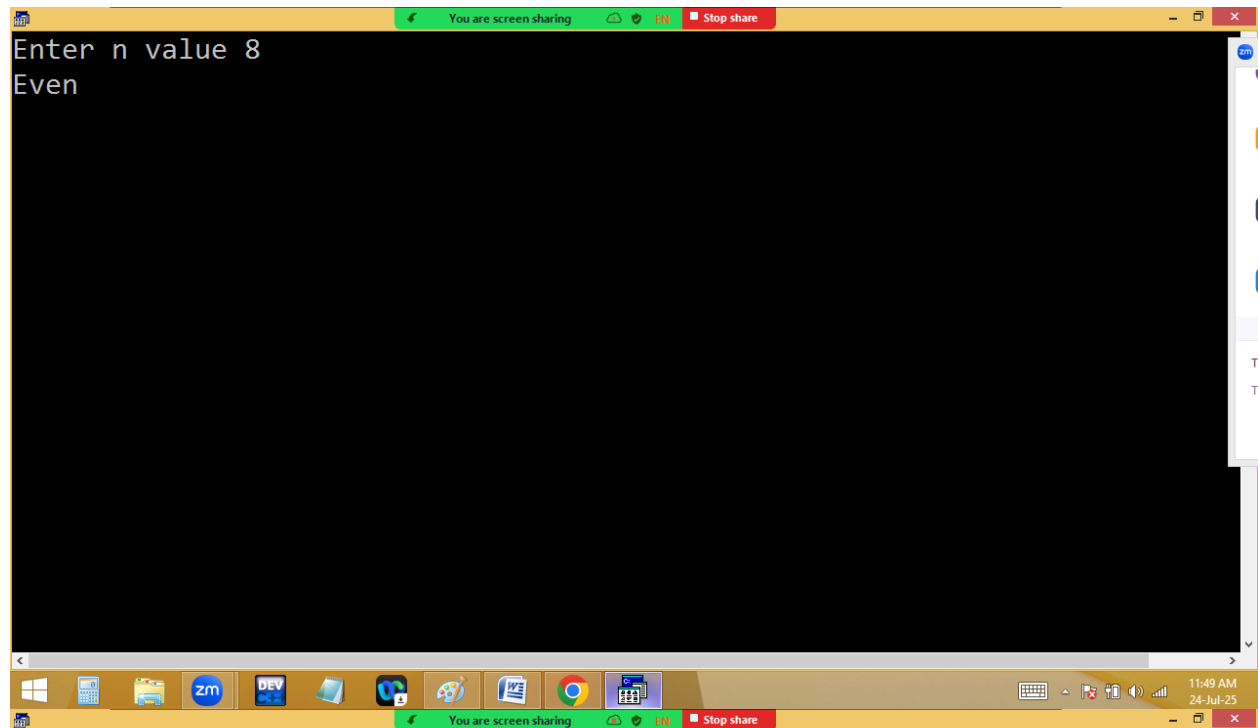


The screenshot shows a Turbo C++ IDE window titled "TC". The menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the top indicates "Line 9 Col 1 Insert Indent Tab Fill Unindent \* E:11AM.C". The main editing area has a dark blue background with yellow text. The code is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int n;
    clrscr();
    printf("Enter n value ");
    scanf("%d",&n);
    n%2==0 && printf("Even");
    n%2!=0 && printf("Odd");
    getch();
}
```

At the bottom of the window, there is a taskbar with various icons including Windows, calculator, file explorer, and several application icons. A green status bar above the taskbar says "You are screen sharing" with a "Stop share" button. The system clock in the bottom right corner shows "11:48 AM 24-Jul-25".





```
Enter n value 0
Even
```

```
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 11 Col 1 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter n value ");
scanf("%d",&n);

n%2==0 && printf("Even") || printf("Odd");

getch();
}
```

```
Enter n value 3
Odd
```

```
Enter n value -6
Even_
```

$$4 \% 2 = \overset{1}{\underline{0}} = 0 \text{ \& \& } \text{Even}$$

$$\underline{5 \% 2 = \underline{1}} = 0 \text{ \& \& } \underline{0} \text{ Odd}$$

Find max in 2 no's without using if..else /ternary op?

You are screen sharing

IN

Stop share

Line 16 Col 32 Insert Indent Tab Fill Unindent \* E:11AM.C

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

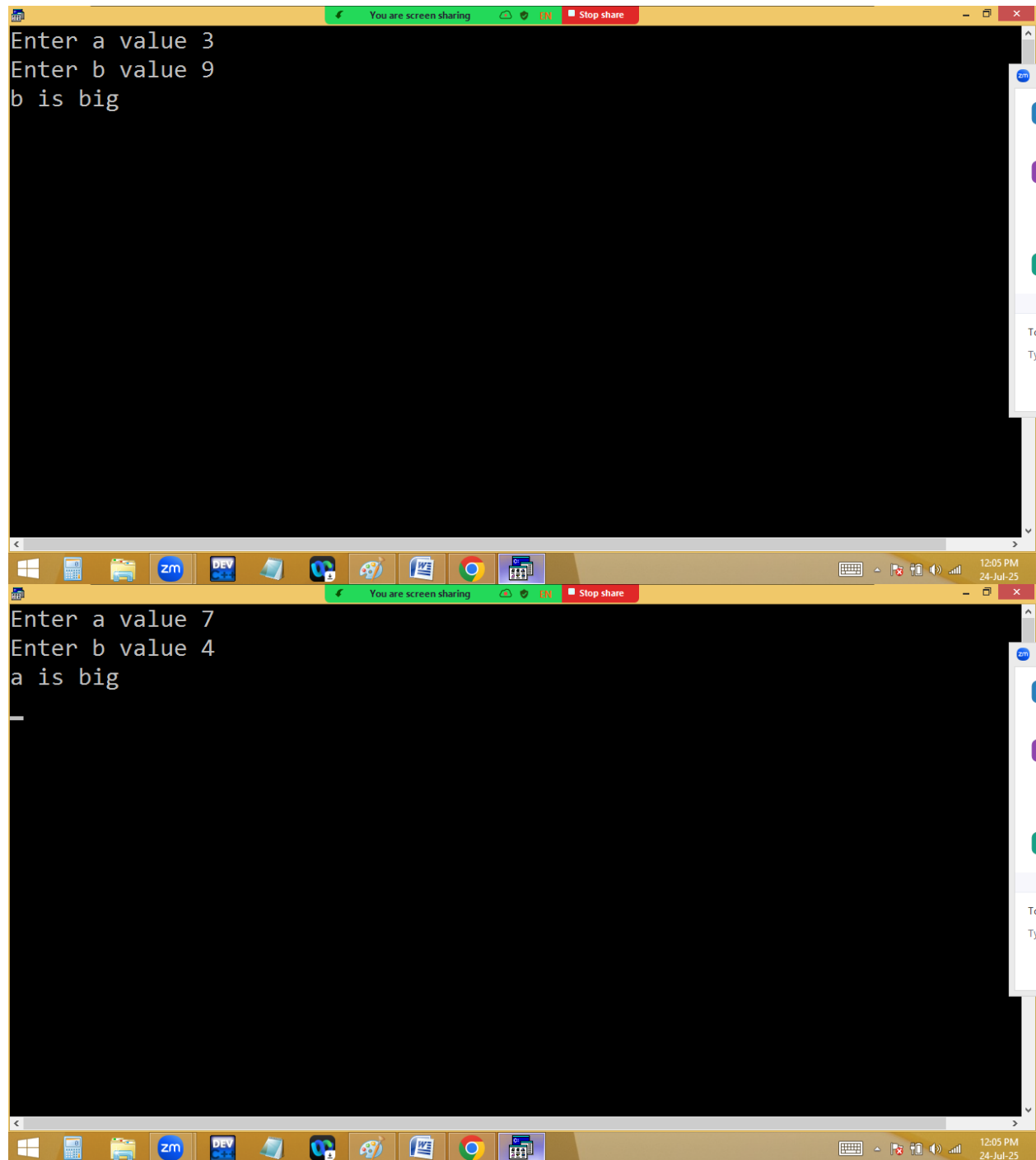
Enter a value 10
Enter b value 10
Both are equal

You are screen sharing

IN

Stop share

12:04 PM
24-Jul-25





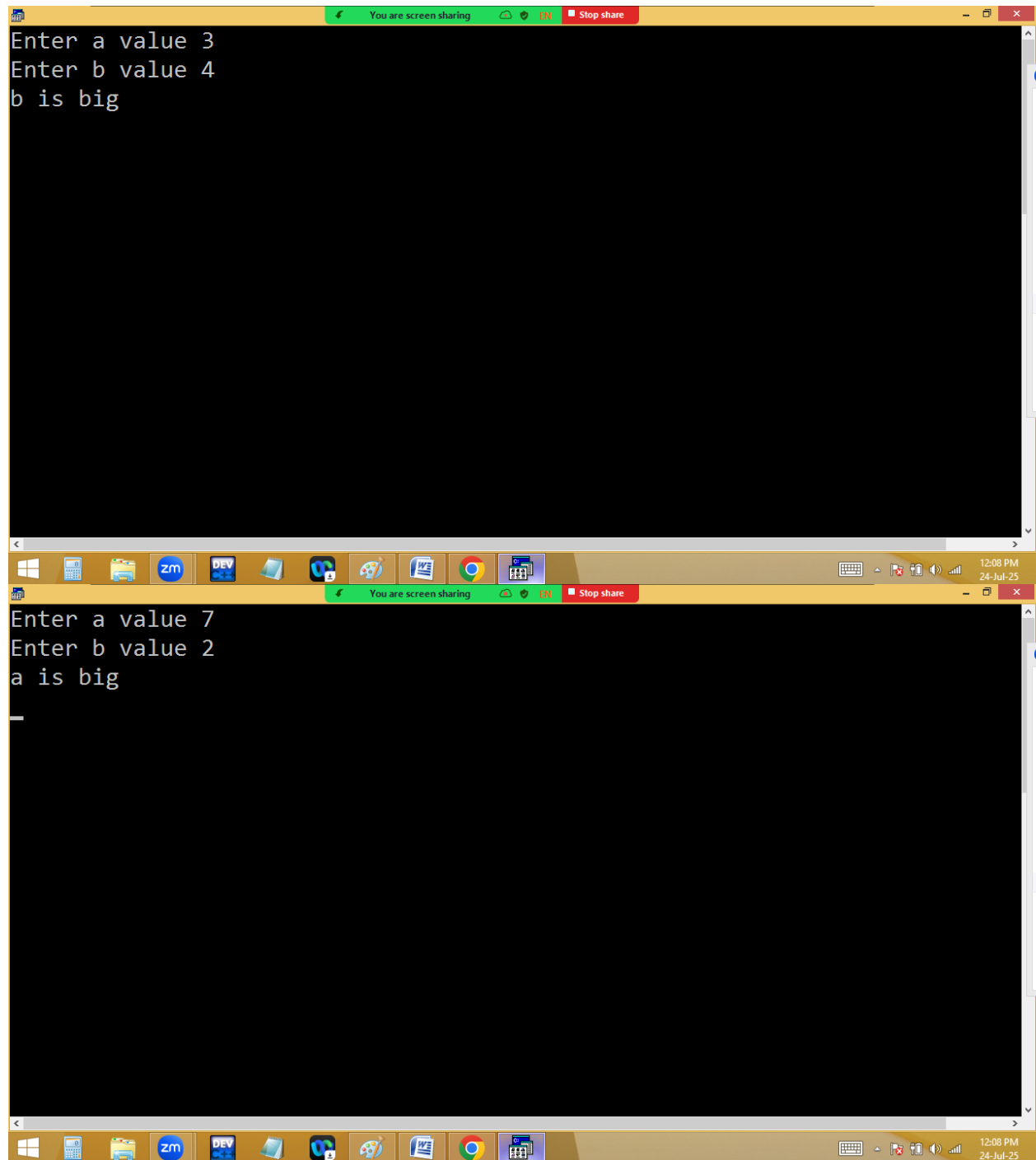
The image shows a Windows desktop environment. At the top, a green status bar indicates 'You are screen sharing' with a 'Stop share' button. Below this is a menu bar with 'File', 'Edit', 'Run', 'Compile', 'Project', 'Options', 'Debug', and 'Break/watch'. The main area is a code editor with a blue background, showing a C program. The code is as follows:

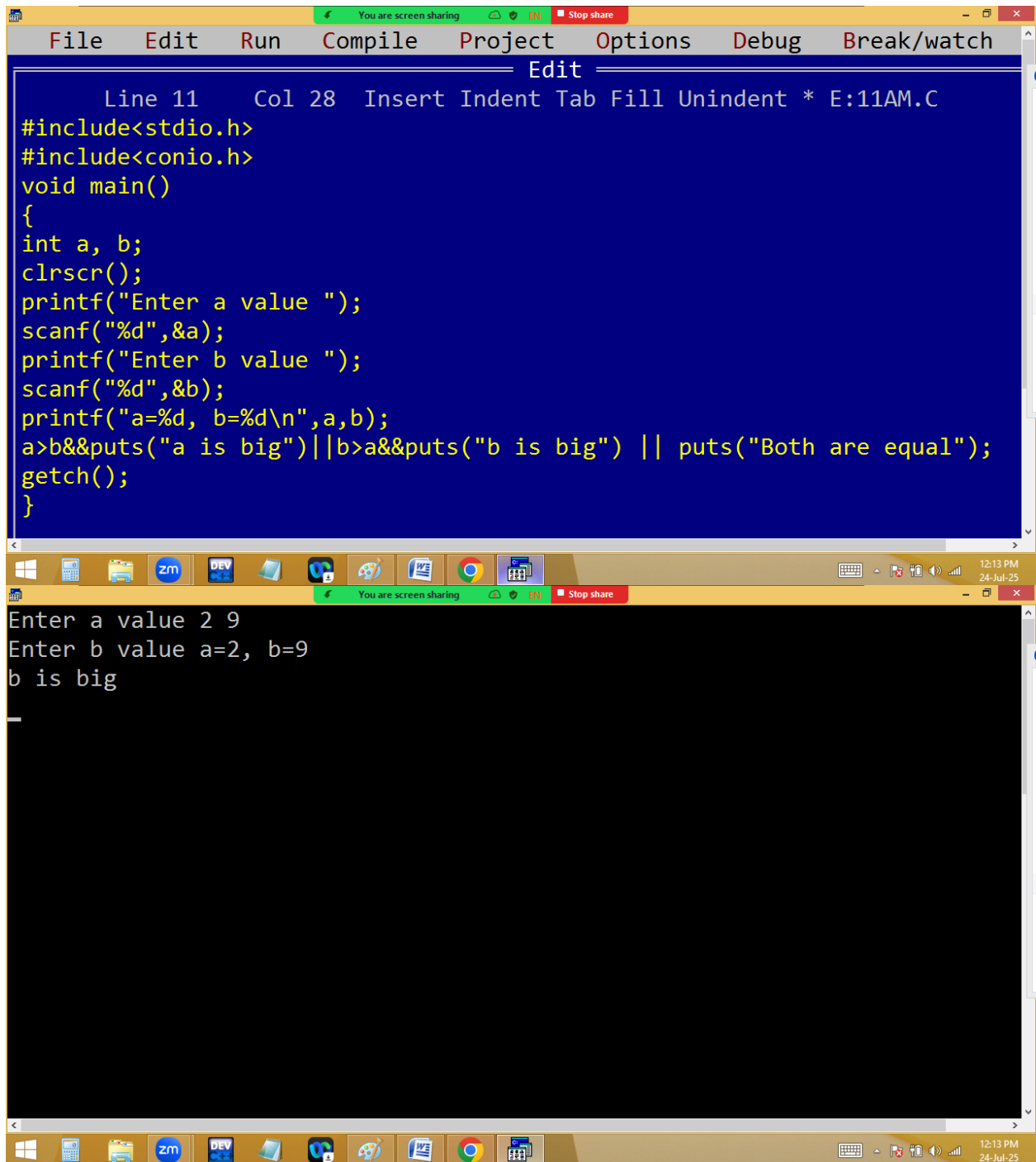
```
Line 1      Col 45  Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
    int a, b;
    clrscr();
    printf("Enter a value ");
    scanf("%d",&a);
    printf("Enter b value ");
    scanf("%d",&b);
    a>b&&puts("a is big")||b>a&&puts("b is big") || puts("Both are equal");
    getch();
}
```

Below the code editor is a taskbar with various application icons. At the bottom, a terminal window with a black background shows the output of the program:

```
Enter a value 3
Enter b value 3
Both are equal
```

The system clock in the bottom right corner shows '12:07 PM' and '24-Jul-25'.





The image shows a Windows desktop with two overlapping windows. The top window is a code editor with a blue background, displaying C code for comparing two numbers. The bottom window is a black terminal showing the program's execution with input values 2 and 9, and the output 'b is big'.

**Code Editor Window (Top):**

```
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 11 Col 28 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a, b;
clrscr();
printf("Enter a value ");
scanf("%d",&a);
printf("Enter b value ");
scanf("%d",&b);
printf("a=%d, b=%d\n",a,b);
a>b&&puts("a is big")||b>a&&puts("b is big") || puts("Both are equal");
getch();
}
```

**Terminal Window (Bottom):**

```
Enter a value 2 9
Enter b value a=2, b=9
b is big
```

```
Enter a value 1 2 3
Enter b value a=1, b=2
b is big
```

The image shows a Windows desktop with a taskbar at the bottom. Two windows are open. The top window is a code editor titled "Edit" with a menu bar containing "Line 16", "Col 12", "Insert", "Indent", "Tab", "Fill", "Unindent", and "\* E:11AM.C". The code in the editor is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int a, b;
    clrscr();
    printf("Enter a value ");
    scanf("%d",&a);
    flushall();
    printf("Enter b value ");
    scanf("%d",&b);
    printf("a=%d, b=%d\n",a,b);
    a>b&&puts("a is big")||b>a&&puts("b is big") || puts("Both are equal");
    getch();
}
```

The bottom window is a terminal with a black background and white text. It shows the output of the program:

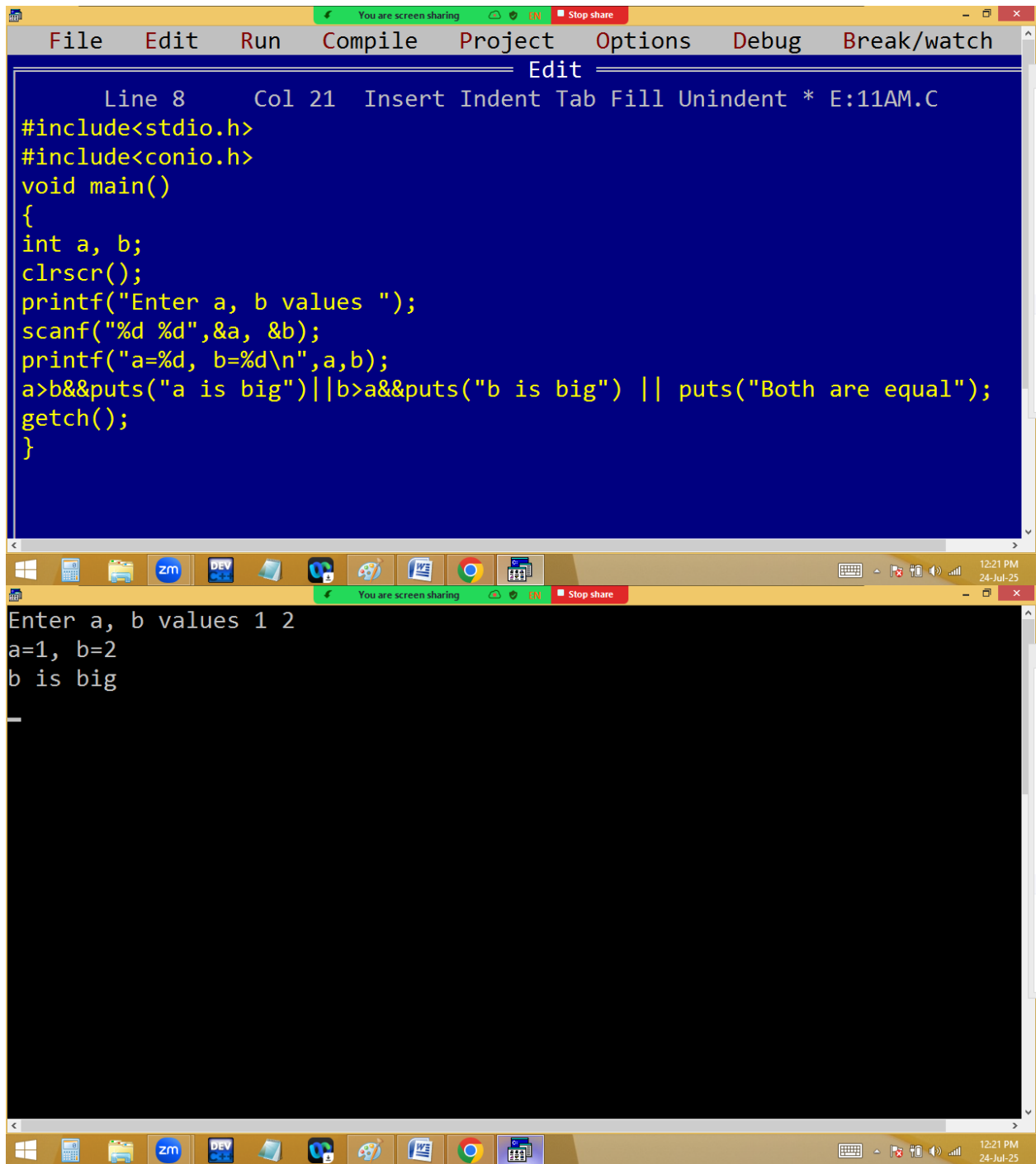
```
Enter b value 8
a=1, b=8
b is big
```

The taskbar at the bottom of both windows shows various icons including Windows, File Explorer, Zoho, DEV, and several application icons. The system tray on the right shows the time as 12:17 PM and the date as 24-Jul-25.

The image shows a Windows desktop environment. At the top, a yellow status bar indicates "You are screen sharing" and "Stop share". Below this is a menu bar with options: File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The main area is a code editor with a dark blue background and yellow text. It shows a C program for comparing two numbers, a, and b. The code includes `<stdio.h>` and `<conio.h>`, and uses `printf` and `scanf` for input/output. The logic checks if `a > b` and prints "a is big", or if `b > a` and prints "b is big", or if they are equal, it prints "Both are equal". The code is as follows:

```
Line 9      Col 13  Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
    int a, b;
    clrscr();
    printf("Enter a value ");
    scanf("%d",&a);
    fflush(stdin);
    printf("Enter b value ");
    scanf("%d",&b);
    printf("a=%d, b=%d\n",a,b);
    a>b&&puts("a is big")||b>a&&puts("b is big") || puts("Both are equal");
    getch();
}
```

Below the code editor is a taskbar with various application icons. At the bottom, a terminal window is open, showing the execution of the program. It displays the prompts "Enter a value" and "Enter b value", followed by the input values 1 and 9. The output shows "a=1, b=9" and "b is big". The terminal window also has a yellow status bar at the top with "You are screen sharing" and "Stop share". The Windows taskbar at the bottom shows the time as 12:19 PM on 24-Jul-25.



```
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 8 Col 21 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a, b;
clrscr();
printf("Enter a, b values ");
scanf("%d %d",&a, &b);
printf("a=%d, b=%d\n",a,b);
a>b&&puts("a is big")||b>a&&puts("b is big") || puts("Both are equal");
getch();
}
```

Enter a, b values 1 2  
a=1, b=2  
b is big

Finding the next / previous multiple of given no based on last digit. i.e. if last digit is  $\geq 5$  go for next multiple otherwise go for previous multiple [ rounding of no ].

Eg:

38 last digit is 8, which is bigger than 5  $\rightarrow$  40

24 last digit is 4, which is smaller than 5  $\rightarrow$  20

$38 \% 10 = 8 \geq 5 \ \&\& \ \text{printf}(\text{"\%d"}, (38/10+1)*10); \Rightarrow 40$   
 $24 \% 10 = 4 < 5 \ \&\& \ \text{printf}(\text{"\%d"}, (24/10)*10); \Rightarrow 20$

Note:

Any  $\text{no} \% 10$  gives last digit.

Any  $\text{no}/10$  removes last digit.



You are screen sharing Stop share

File Edit Run Compile Project Options Debug Break/watch

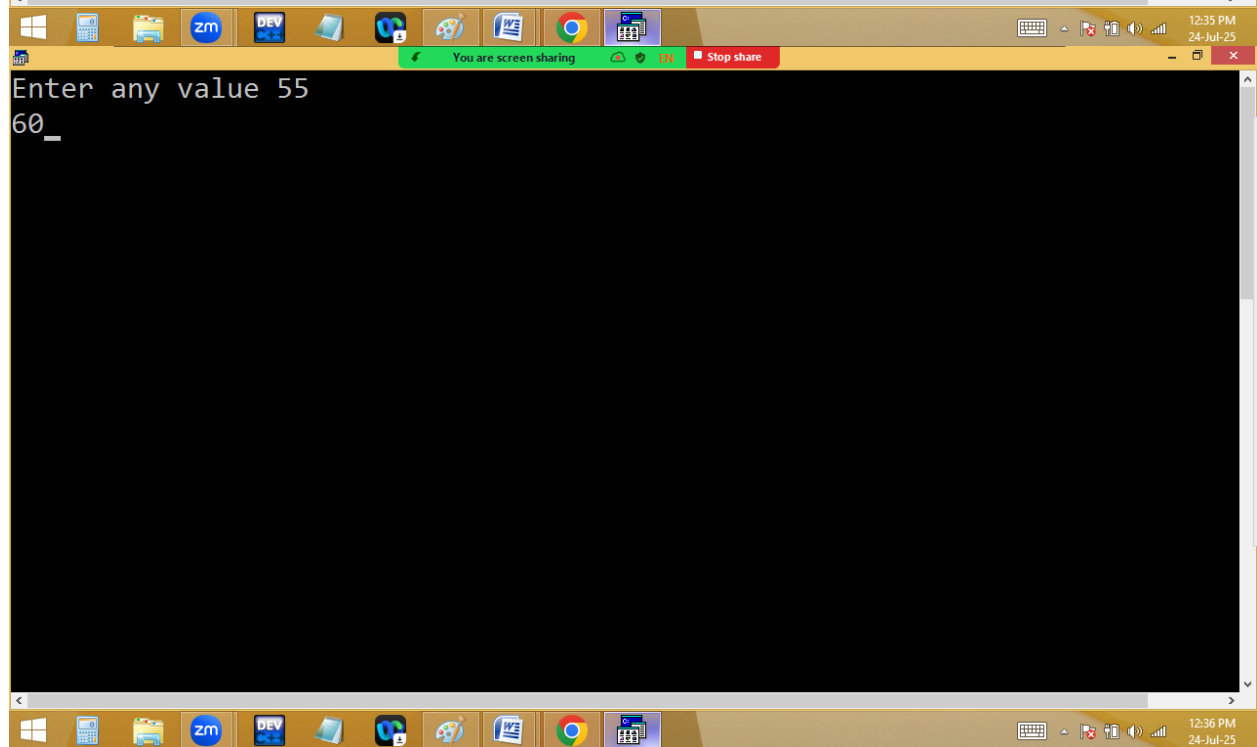
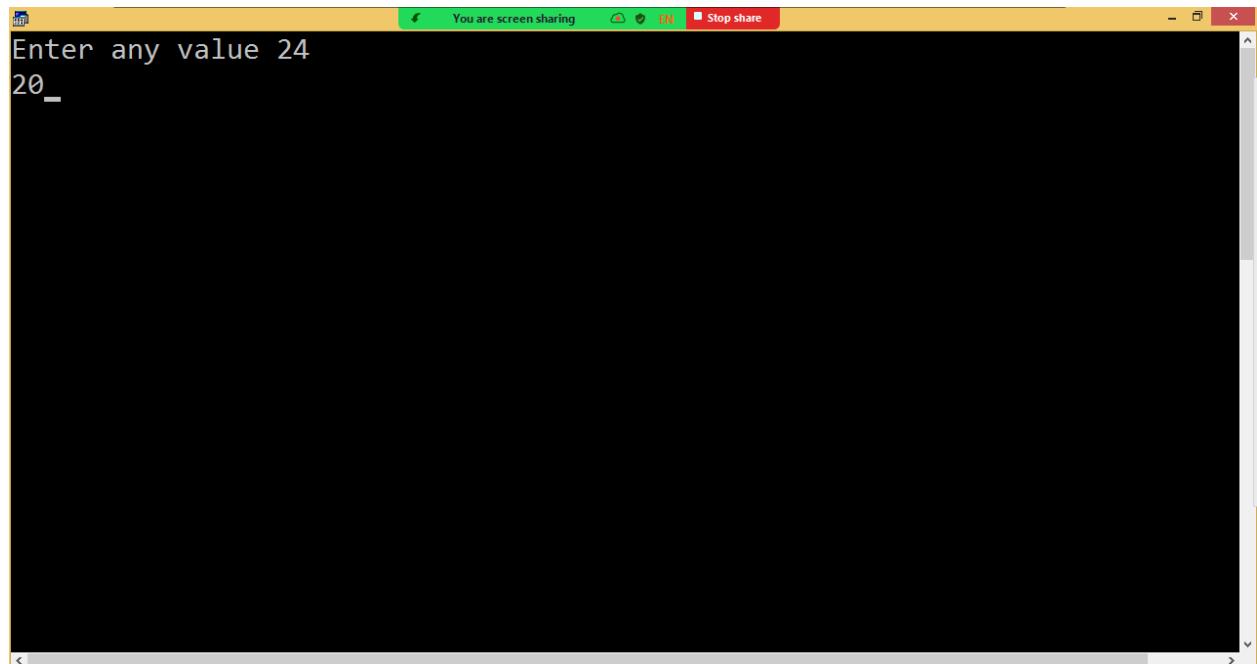
Edit

Line 8 Col 52 Insert Indent Tab Fill Unindent \* E:11AM.C

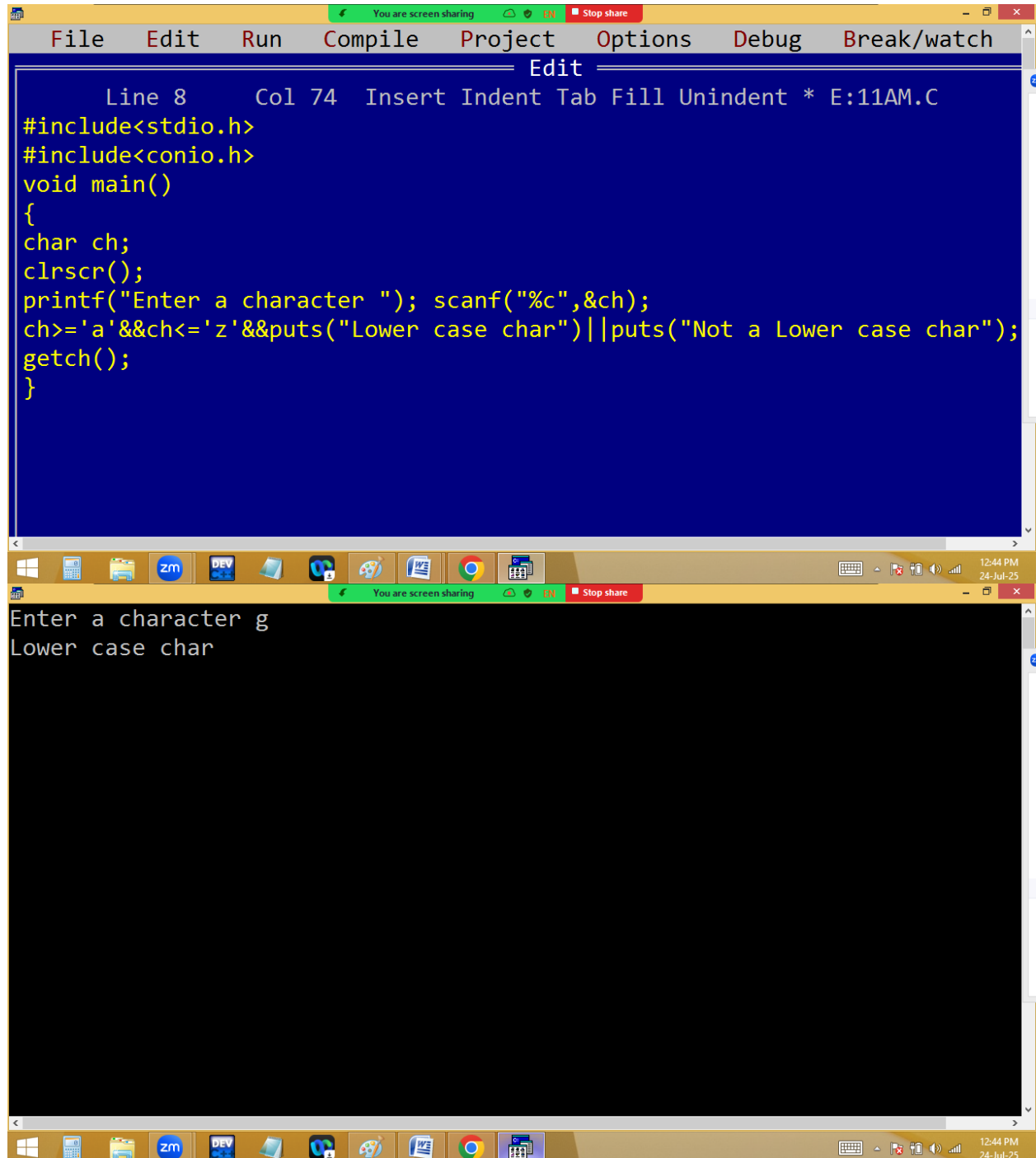
```
#include<stdio.h>
#include<conio.h>
void main()
{
    int n;
    clrscr();
    printf("Enter any value "); scanf("%d",&n);
    n%10>=5 && printf("%d",(n/10+1)*10)|| printf("%d", n/10*10);
    getch();
}
```

Enter any value 38  
40

12:35 PM  
24-Jul-25



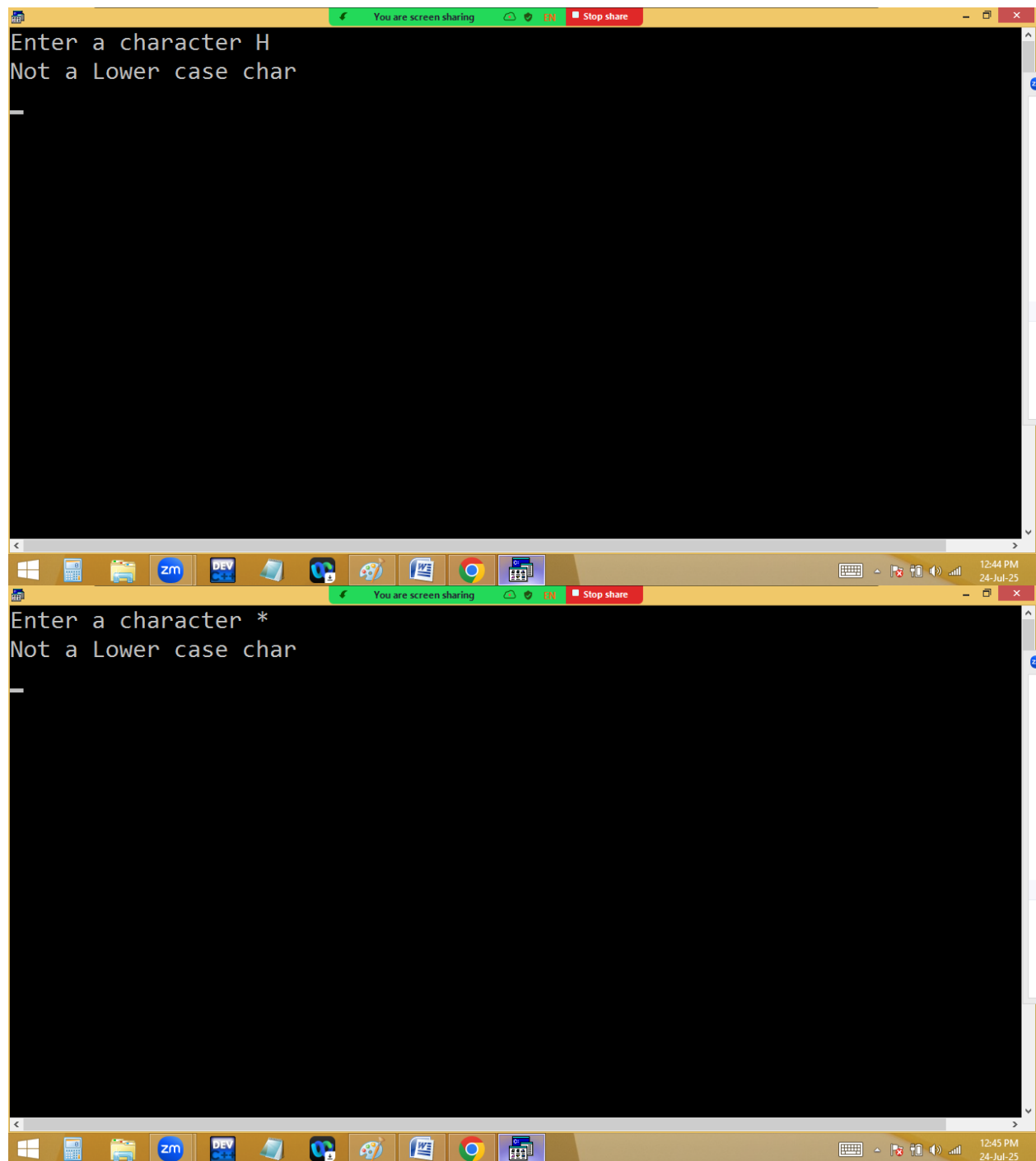
## Find lower case character or not without using if..else or ternary operator?



The image shows a Windows desktop environment with a code editor and a terminal window. The code editor displays a C program that checks if a character is lowercase using a bitwise AND operation. The terminal window shows the program's execution, where the user enters 'g' and the program outputs 'Lower case char'.

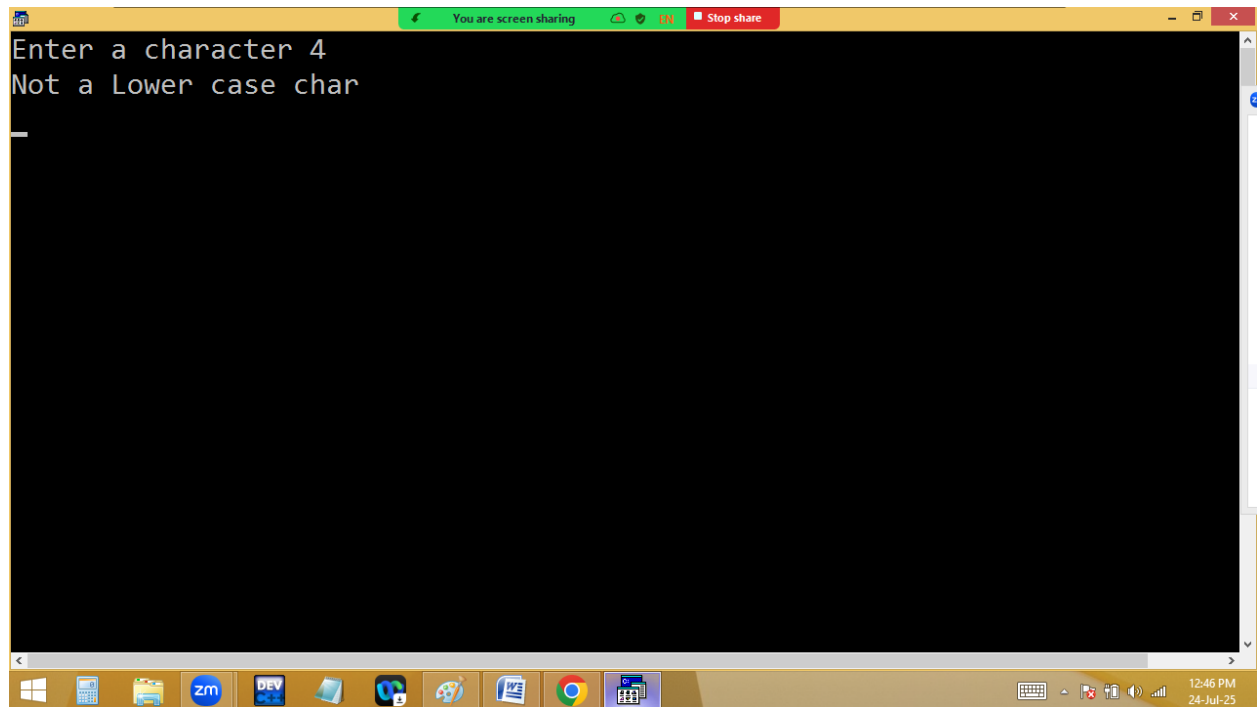
```
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 8 Col 74 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
char ch;
clrscr();
printf("Enter a character "); scanf("%c",&ch);
ch>='a'&&ch<='z'&&puts("Lower case char")||puts("Not a Lower case char");
getch();
}
```

Enter a character g  
Lower case char



```
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 8 Col 16 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
char ch;
clrscr();
printf("Enter a character "); scanf("%c",&ch);
ch>=97&&ch<=122&&puts("Lower case char")||puts("Not a Lower case char");
getch();
}
```

Enter a character r  
Lower case char



**Find alphabet or not using && , || operators?**

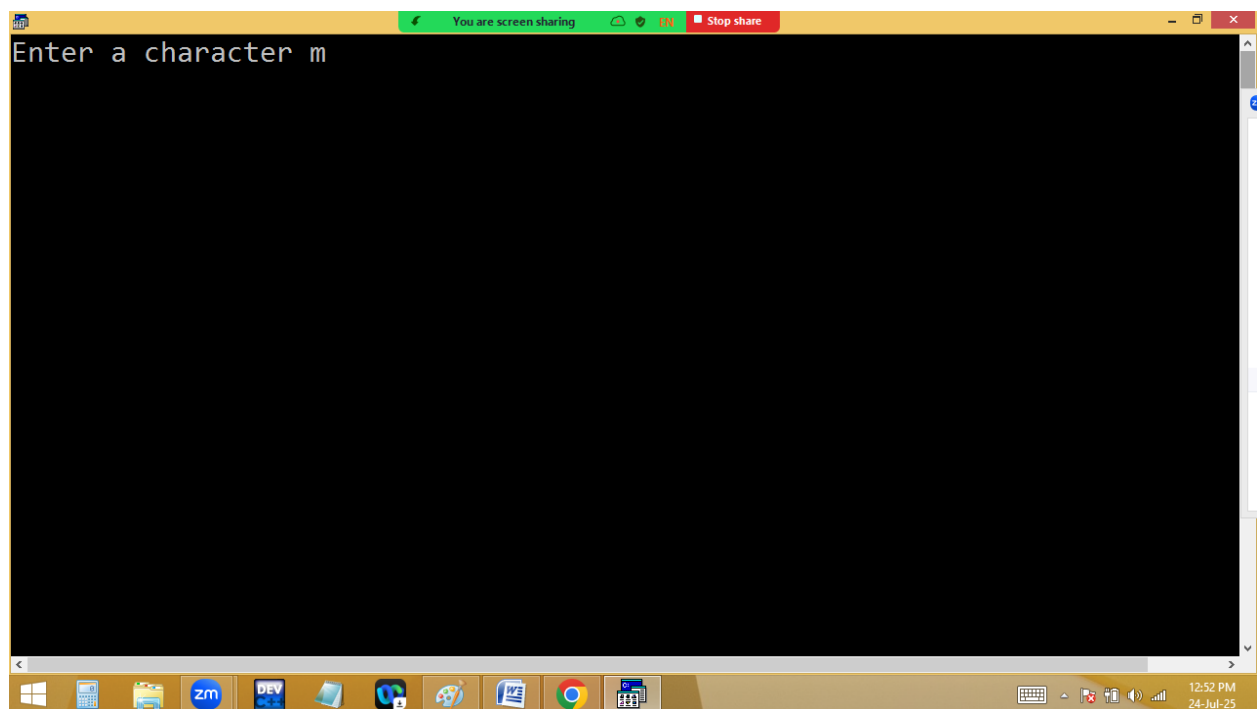
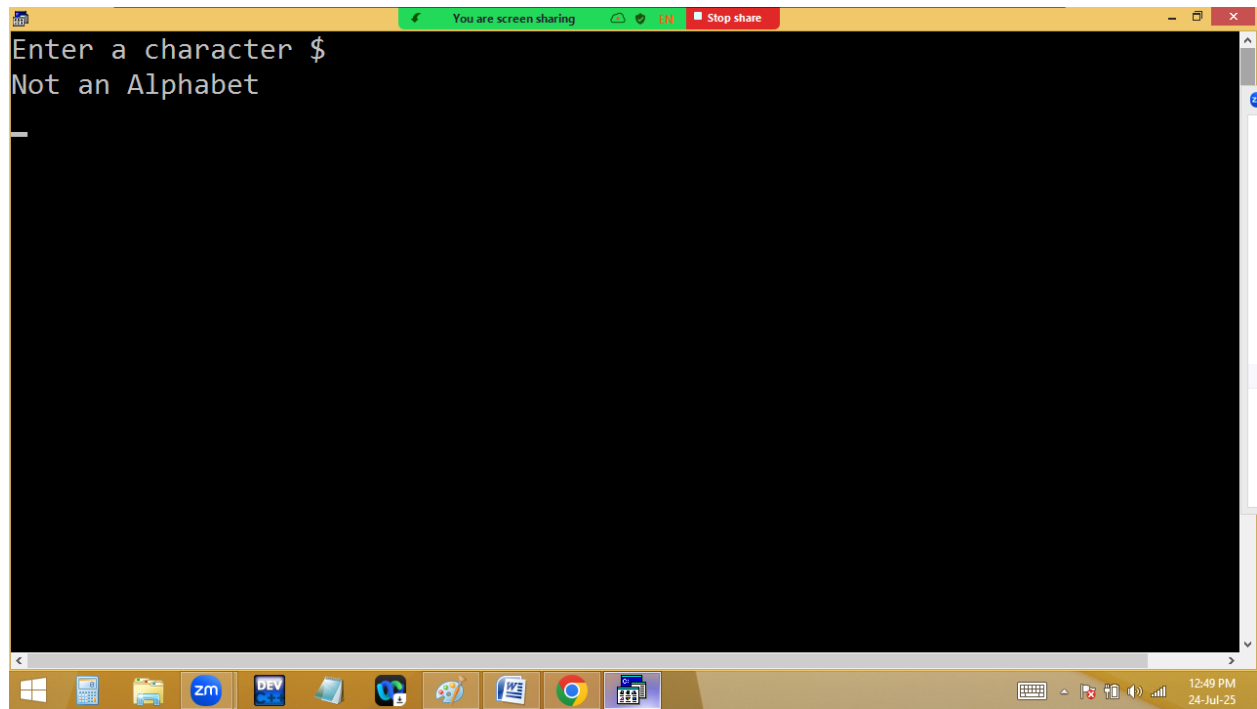
The image shows a Windows desktop environment. At the top, a yellow status bar indicates "You are screen sharing" with a green icon and a "Stop share" button. Below this is a code editor window with a blue background and white text. The editor has a menu bar with "File", "Edit", "Run", "Compile", "Project", "Options", "Debug", and "Break/watch". The status bar at the bottom of the editor shows "Line 9", "Col 1", and "Insert Indent Tab Fill Unindent \* E:11AM.C". The code in the editor is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
char ch;
clrscr();
printf("Enter a character "); scanf("%c",&ch);
ch>=97&&ch<=122||ch>=65&&ch<=90&&puts("It is an Alphabet")
||puts("Not an Alphabet");
getch();
}
```

Below the code editor is a terminal window with a black background and white text. It displays the output of the program:

```
Enter a character B
It is an Alphabet
```

The Windows taskbar is visible at the bottom of both windows, showing icons for various applications including a calculator, file explorer, Zoom, DEV C++, and several instances of Chrome. The system clock in the bottom right corner shows "12:49 PM" and "24-Jul-25".





The image shows a Windows desktop environment with a code editor window and a terminal window. The code editor window has a menu bar with 'File', 'Edit', 'Run', 'Compile', 'Project', 'Options', 'Debug', and 'Break/watch'. The code is written in C and is located at 'E:11AM.C'. The code is as follows:

```
Line 8 Col 34 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
char ch;
clrscr();
printf("Enter a character "); scanf("%c",&ch);
(ch>=97&&ch<=122||ch>=65&&ch<=90)&&puts("It is an Alphabet")
||puts("Not an Alphabet");
getch();
}
```

The terminal window shows the output of the program. It prompts 'Enter a character m' and then displays 'It is an Alphabet'. The system clock in the bottom right corner shows 12:51 PM on 24-Jul-25.

Home work?

Finding 3 digit no or not without using if..else / ternary?

**Finding voter eligibility without using if..else / ternary?**

**Finding special char or not without using if..else / ternary?**