/ - Division [Quotient]:

5/2=2 [int/int=int]

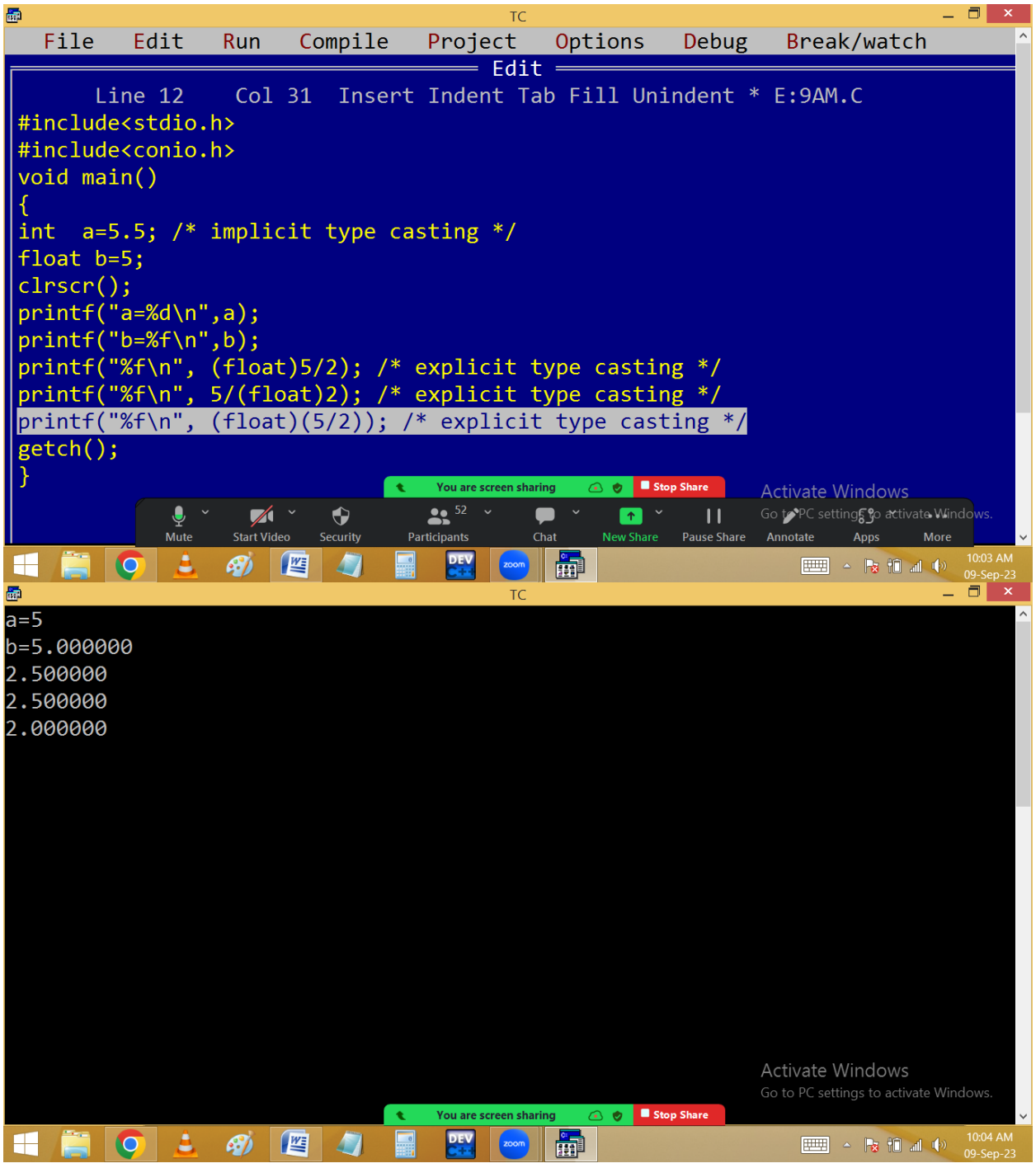
5.0/2=2.500000

5/2.0=2.500000

5.0/2.0=2.500000

(float)5/2=2.500000

(float)(5/2)=2.000000

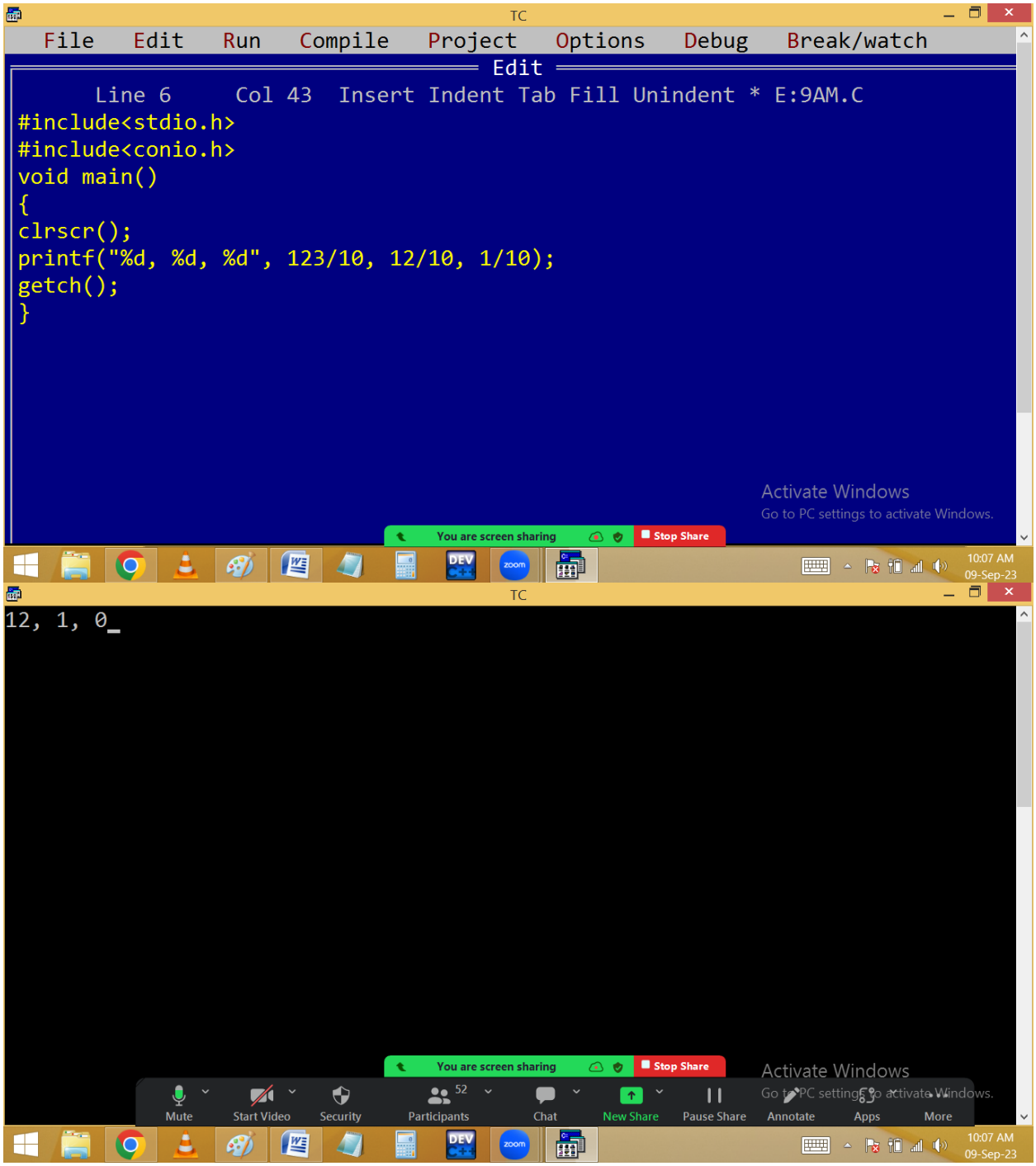


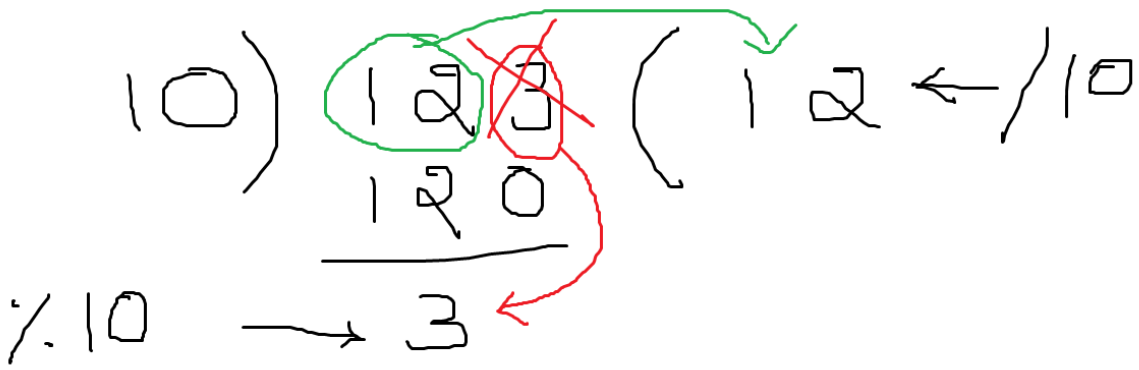
123/10=12

12/10=1

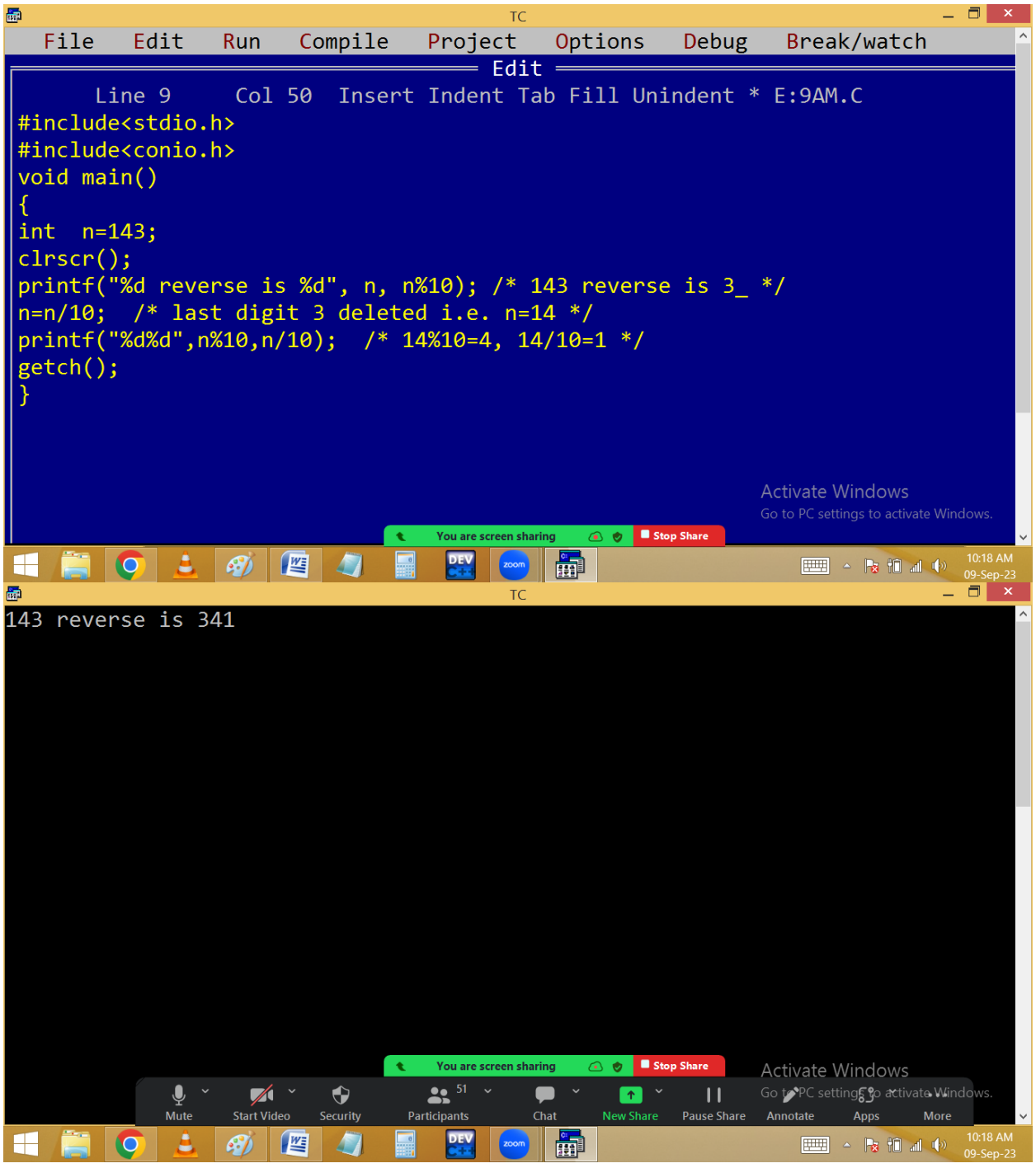
1/10=0

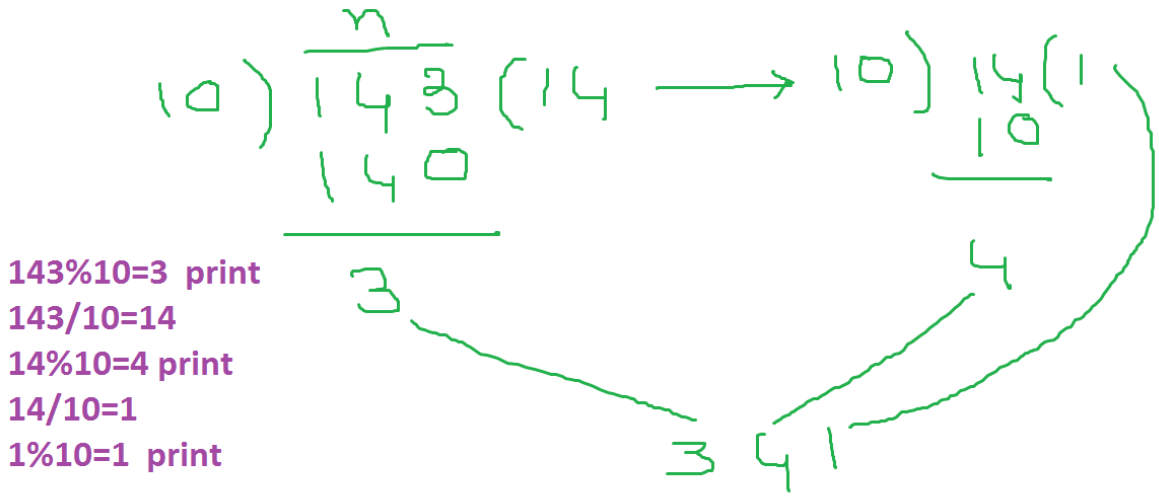
Note: Any no/10 removes last digit.





Eg. Write a C program to print a 3 digit no in reverse order without using loop.


TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 9 Col 50 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n=143;
clrscr();
printf("%d reverse is %d", n, n%10); /* 143 reverse is 3_ */
n=n/10; /* last digit 3 deleted i.e. n=14 */
printf("%d%d",n%10,n/10); /* 14%10=4, 14/10=1 */
getch();
}
Activate Windows
Go to PC settings to activate Windows.
You are screen sharing
Stop Share
10:18 AM
09-Sep-23
TC
143 reverse is 341
You are screen sharing
Stop Share
Activate Windows
Go to PC settings to activate Windows.
Mute
Start Video
Security
Participants
51
Chat
New Share
Pause Share
Annotate
Apps
More
10:18 AM
09-Sep-23

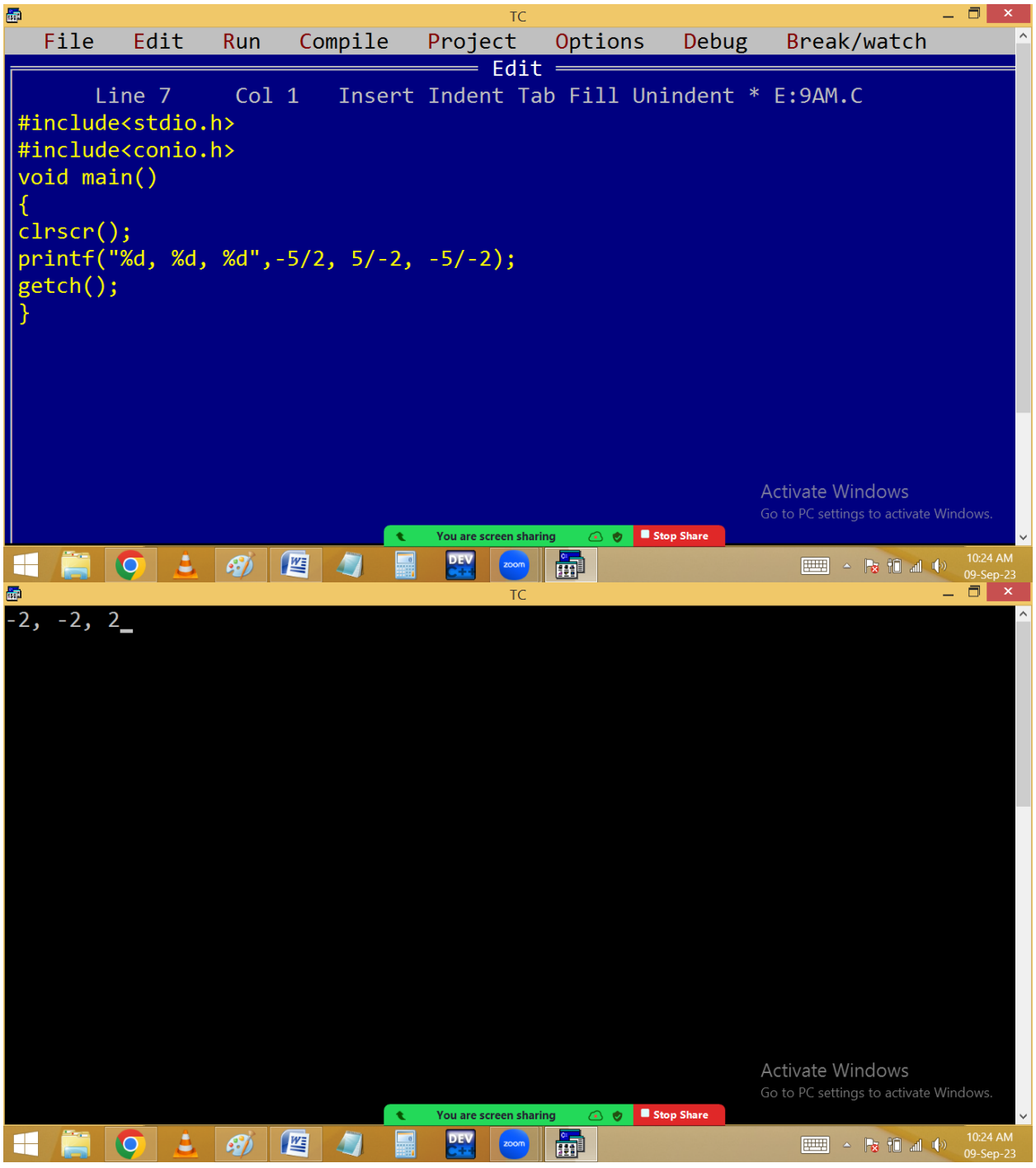


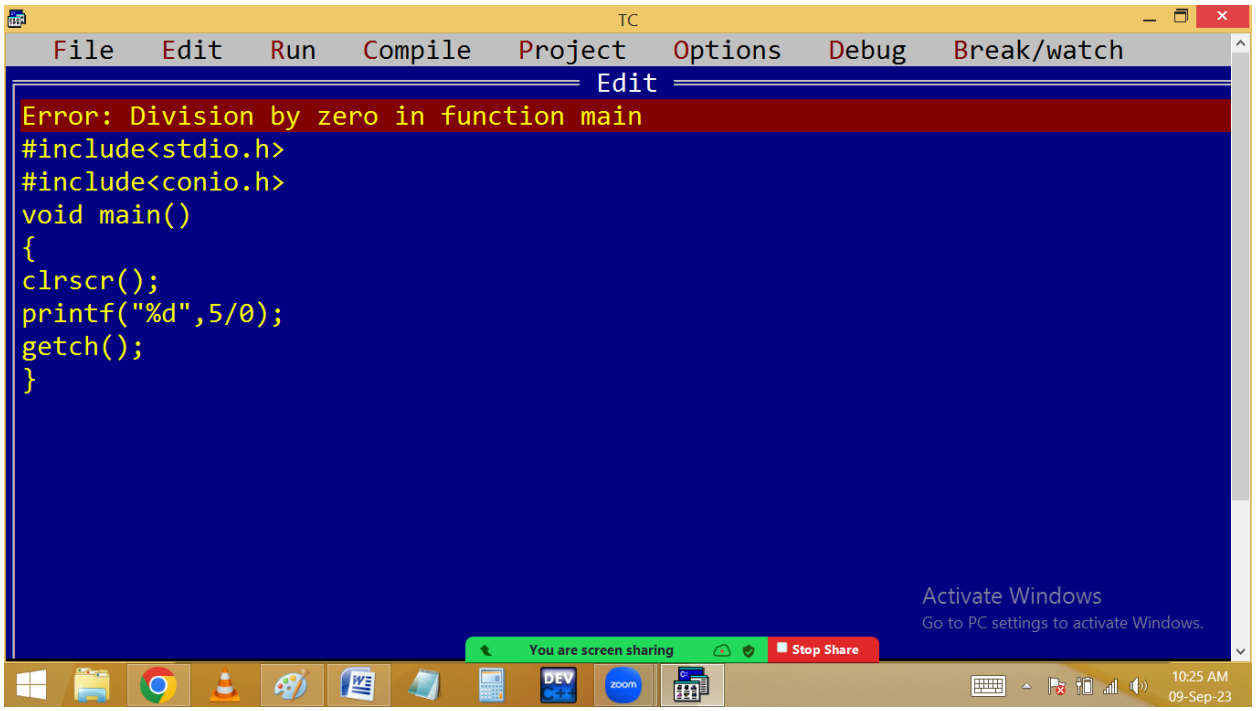
-5/2= -2

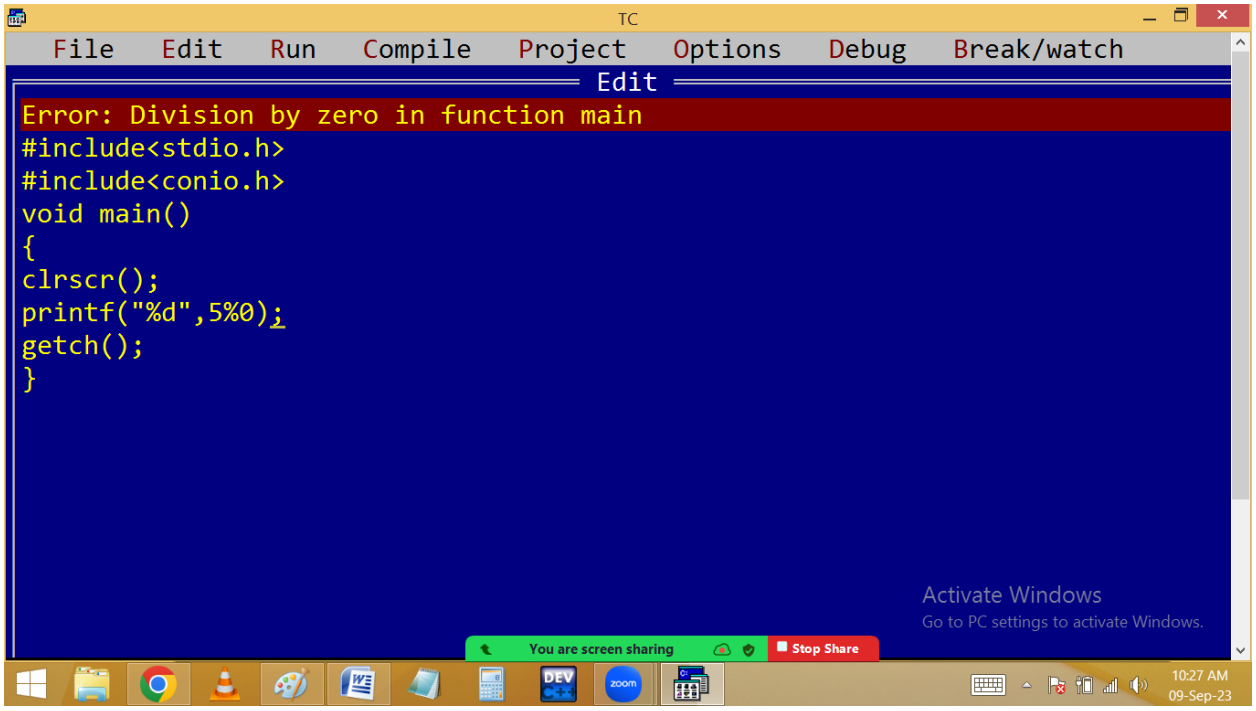
5/-2= -2

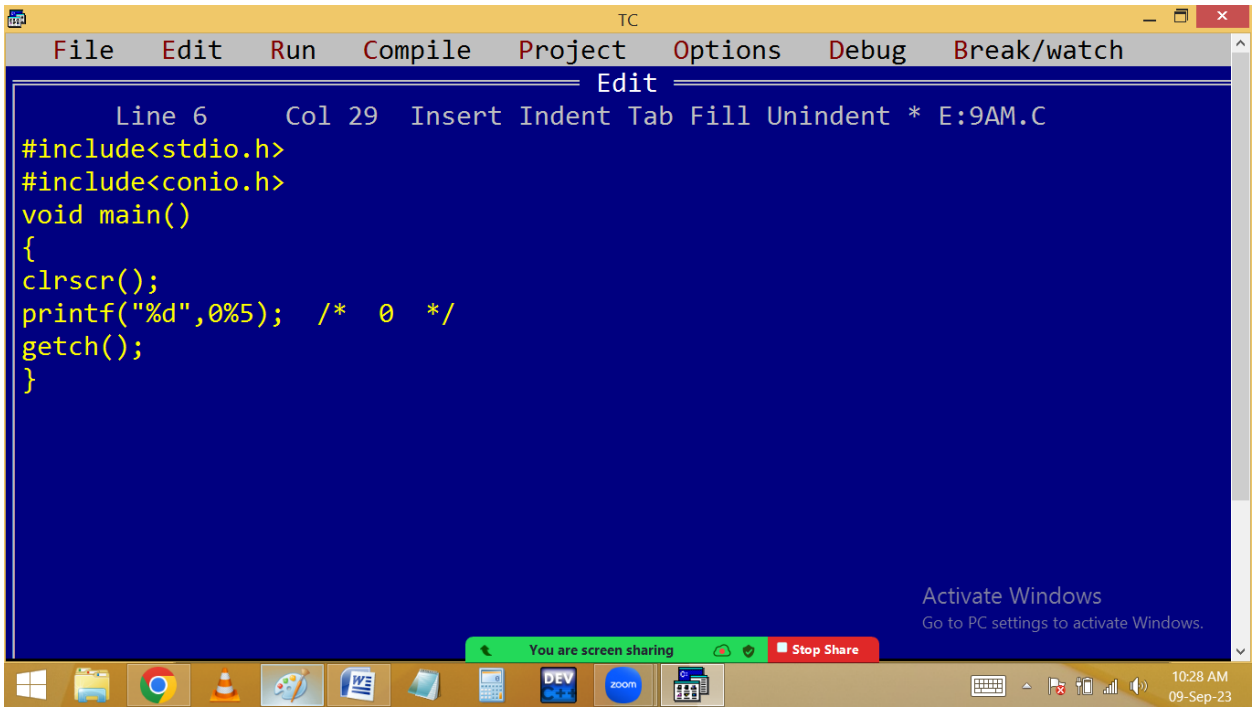
-5/-2= 2

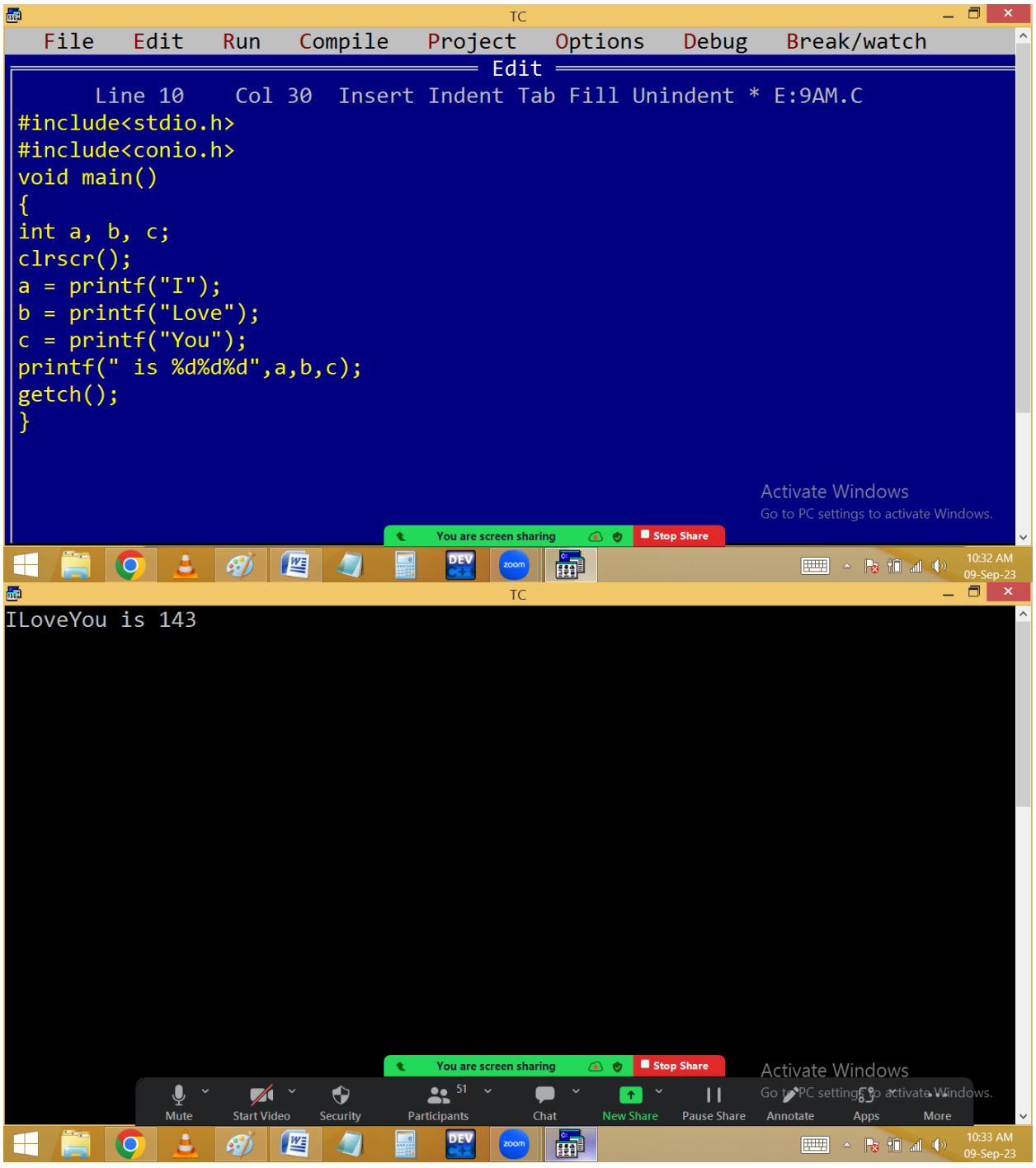
Note: In division any one operand is negative then the result also negative. If both are negative result is positive.

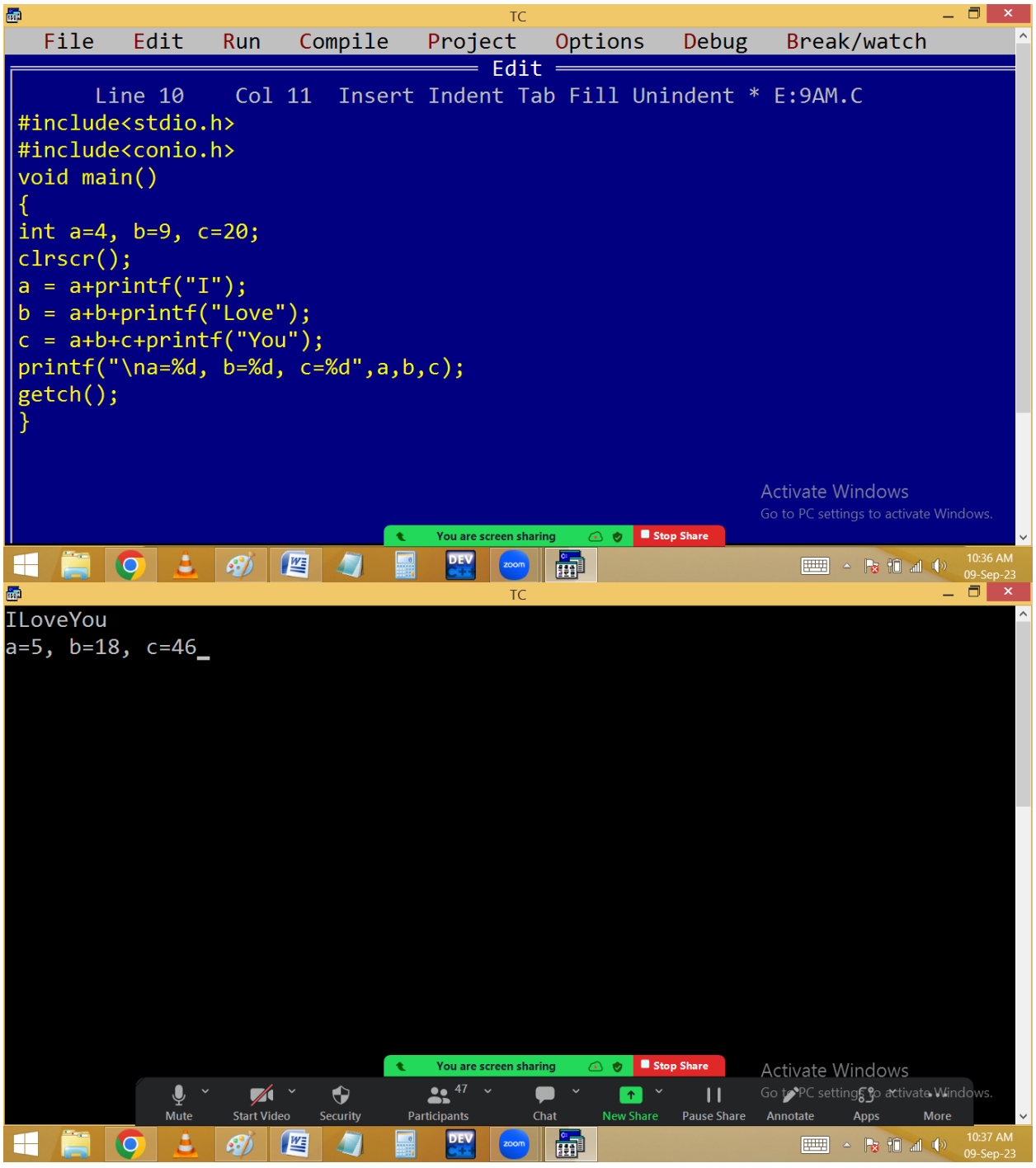

TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 7 Col 1 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d, %d, %d",-5/2, 5/-2, -5/-2);
getch();
}
Activate Windows
Go to PC settings to activate Windows.
You are screen sharing
Stop Share
10:24 AM
09-Sep-23
TC
-2, -2, 2
Activate Windows
Go to PC settings to activate Windows.
You are screen sharing
Stop Share
10:24 AM
09-Sep-23

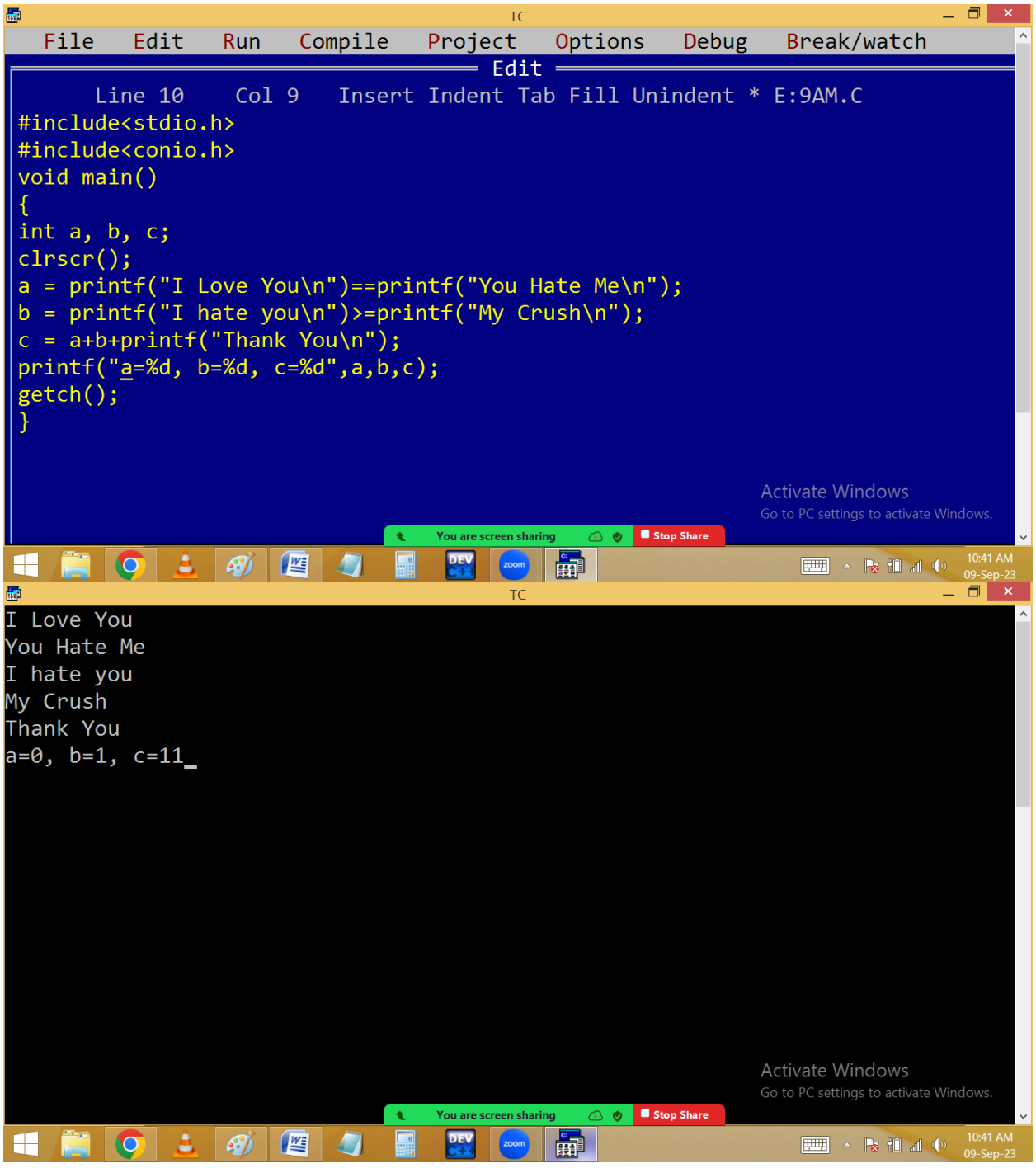

TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Error: Division by zero in function main
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d",5/0);
getch();
}
Activate Windows
Go to PC settings to activate Windows.
You are screen sharing
Stop Share
10:25 AM
09-Sep-23


TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Error: Division by zero in function main
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d",5%0);
getch();
}
Activate Windows
Go to PC settings to activate Windows.
You are screen sharing
Stop Share
10:27 AM
09-Sep-23


TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 6 Col 29 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d",0%5); /* 0 */
getch();
}
Activate Windows
Go to PC settings to activate Windows.
You are screen sharing
Stop Share
10:28 AM
09-Sep-23

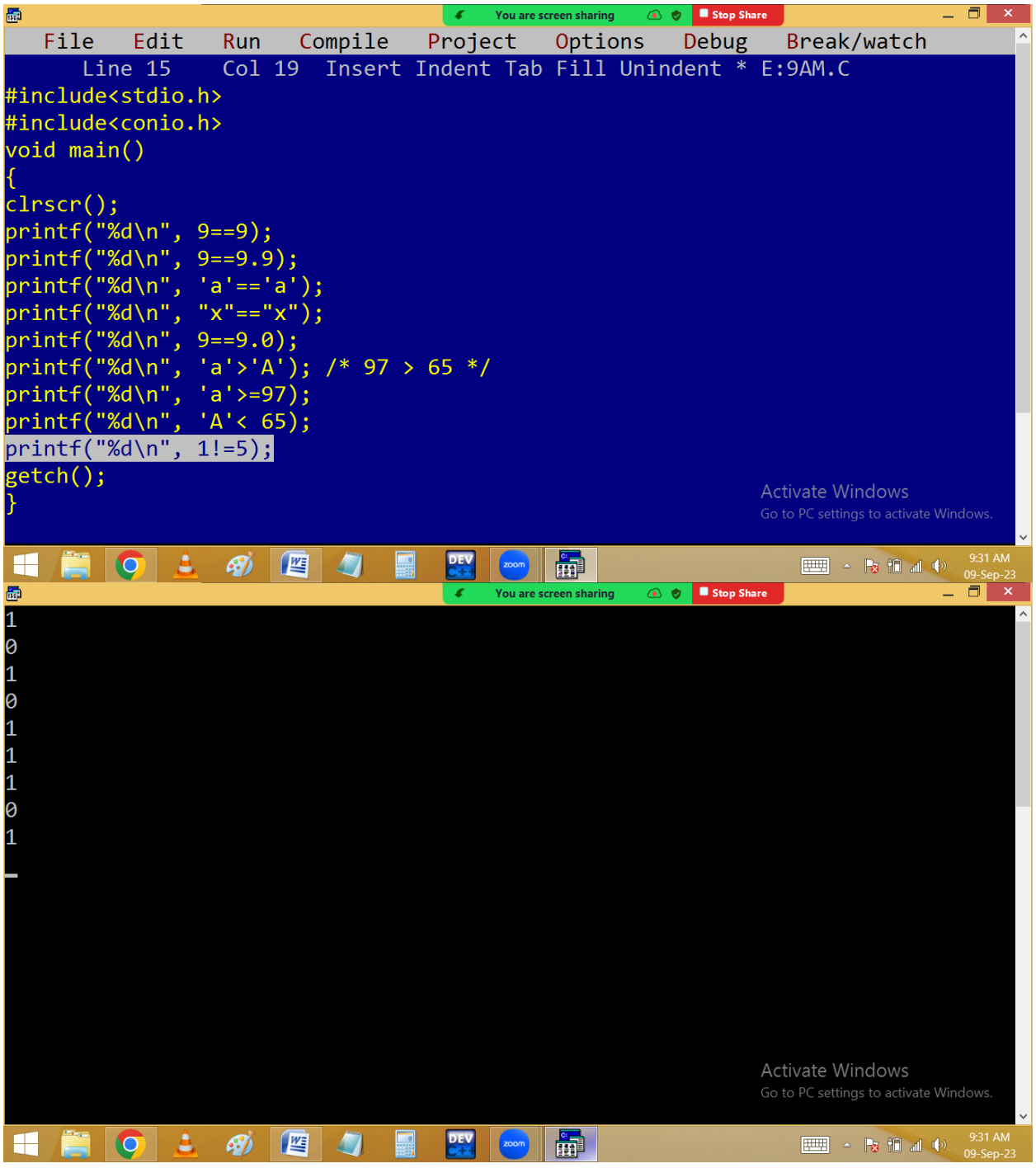

TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 10 Col 30 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a, b, c;
clrscr();
a = printf("I");
b = printf("Love");
c = printf("You");
printf(" is %d%d%d",a,b,c);
getch();
}
Activate Windows
Go to PC settings to activate Windows.
You are screen sharing
Stop Share
10:32 AM
09-Sep-23
TC
ILoveYou is 143
You are screen sharing
Stop Share
Activate Windows
Go to PC settings to activate Windows.
Mute
Start Video
Security
Participants
51
Chat
New Share
Pause Share
Annotate
Apps
More
10:33 AM
09-Sep-23

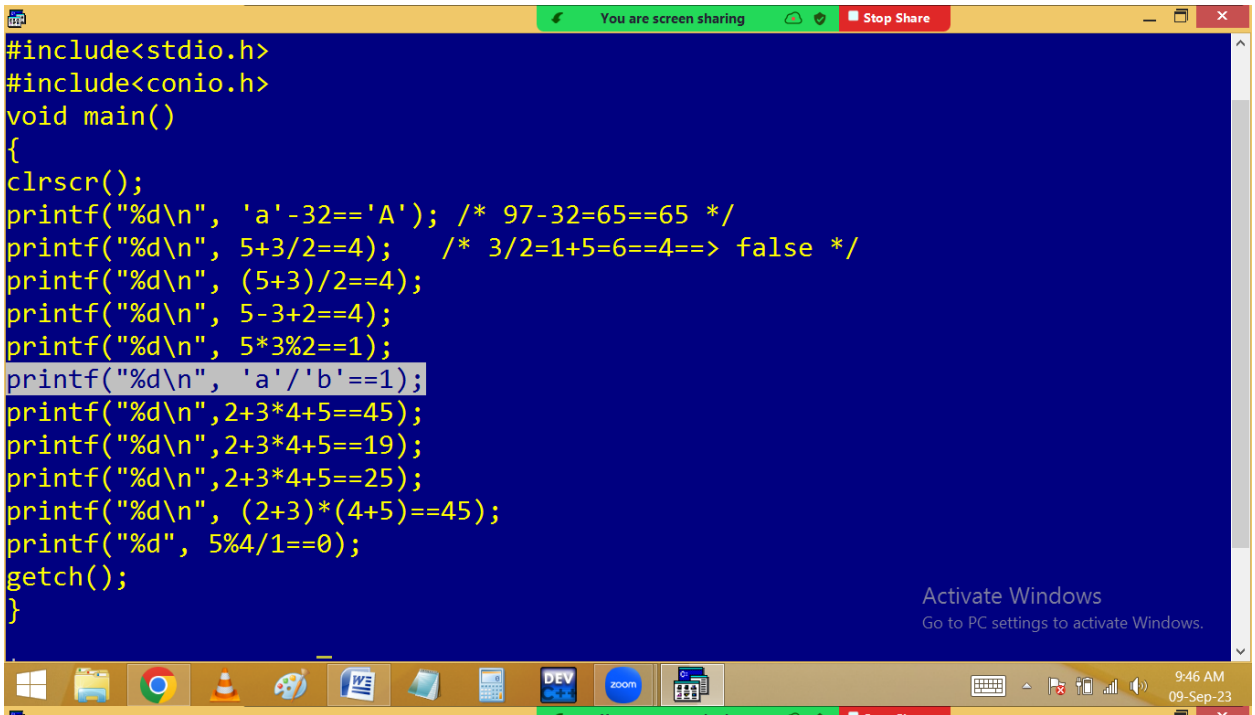

TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 10 Col 11 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=4, b=9, c=20;
clrscr();
a = a+printf("I");
b = a+b+printf("Love");
c = a+b+c+printf("You");
printf("\na=%d, b=%d, c=%d",a,b,c);
getch();
}
Activate Windows
Go to PC settings to activate Windows.
You are screen sharing
Stop Share
10:36 AM
09-Sep-23
TC
ILoveYou
a=5, b=18, c=46
You are screen sharing
Stop Share
Activate Windows
Mute
Start Video
Security
Participants
47
Chat
New Share
Pause Share
Annotate
Apps
More
10:37 AM
09-Sep-23

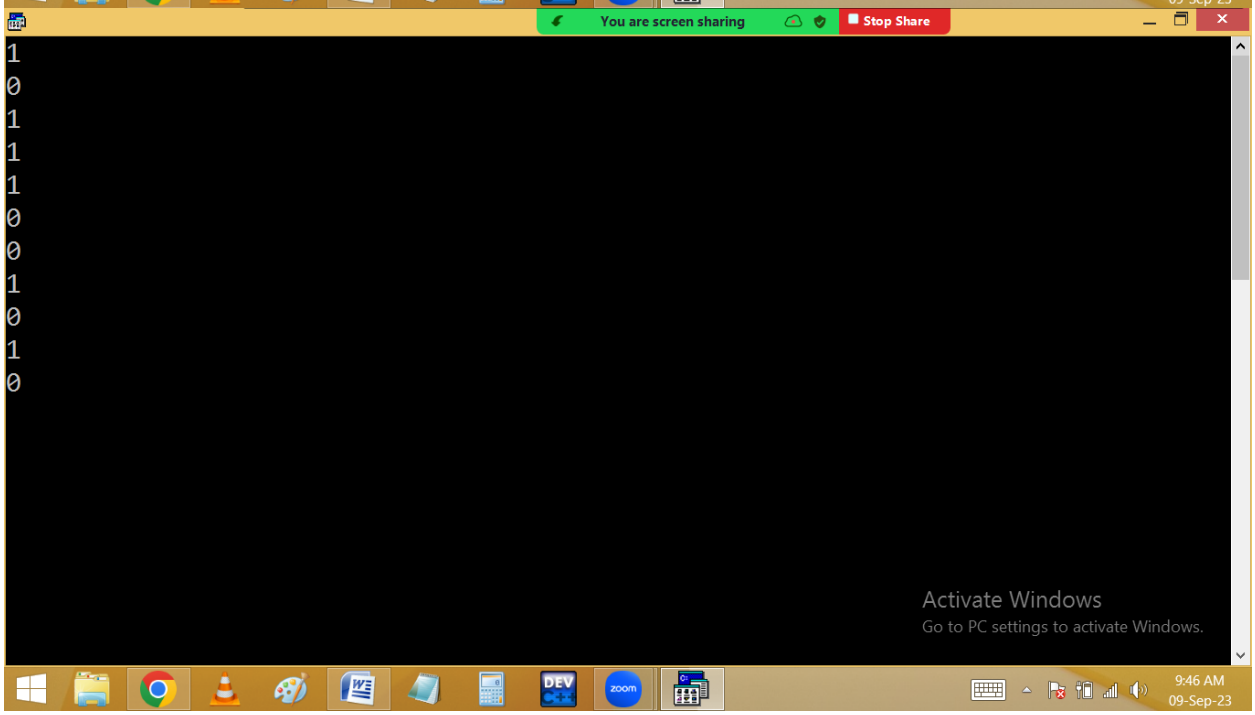

TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 10 Col 9 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a, b, c;
clrscr();
a = printf("I Love You\n")==printf("You Hate Me\n");
b = printf("I hate you\n")>=printf("My Crush\n");
c = a+b+printf("Thank You\n");
printf("a=%d, b=%d, c=%d",a,b,c);
getch();
}
Activate Windows
Go to PC settings to activate Windows.
You are screen sharing
Stop Share
10:41 AM
09-Sep-23
TC
I Love You
You Hate Me
I hate you
My Crush
Thank You
a=0, b=1, c=11
Activate Windows
Go to PC settings to activate Windows.
You are screen sharing
Stop Share
10:41 AM
09-Sep-23

Relational operators [== (comparison), <, >, <=, >=, != (not equal)]:

They are used to given condition / expression is true or false. If condition true always it return 1. Condition false it return 0.


You are screen sharing
Stop Share
File Edit Run Compile Project Options Debug Break/watch
Line 15 Col 19 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d\n", 9==9);
printf("%d\n", 9==9.9);
printf("%d\n", 'a'=='a');
printf("%d\n", "x"=="x");
printf("%d\n", 9==9.0);
printf("%d\n", 'a'>'A'); /* 97 > 65 */
printf("%d\n", 'a'>=97);
printf("%d\n", 'A'< 65);
printf("%d\n", 1!=5);
getch();
}
Activate Windows
Go to PC settings to activate Windows.
9:31 AM
09-Sep-23
You are screen sharing
Stop Share
1
0
1
0
1
1
1
0
1
Activate Windows
Go to PC settings to activate Windows.
9:31 AM
09-Sep-23


You are screen sharing
Stop Share
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d\n", 'a'-32=='A'); /* 97-32=65==65 */
printf("%d\n", 5+3/2==4); /* 3/2=1+5=6==4==> false */
printf("%d\n", (5+3)/2==4);
printf("%d\n", 5-3+2==4);
printf("%d\n", 5*3%2==1);
printf("%d\n", 'a'/'b'==1);
printf("%d\n",2+3*4+5==45);
printf("%d\n",2+3*4+5==19);
printf("%d\n",2+3*4+5==25);
printf("%d\n", (2+3)*(4+5)==45);
printf("%d", 5%4/1==0);
getch();
}
Activate Windows
Go to PC settings to activate Windows.
9:46 AM
09-Sep-23


You are screen sharing
Stop Share
1
0
1
1
1
0
0
1
0
1
0
Activate Windows
Go to PC settings to activate Windows.
9:46 AM
09-Sep-23