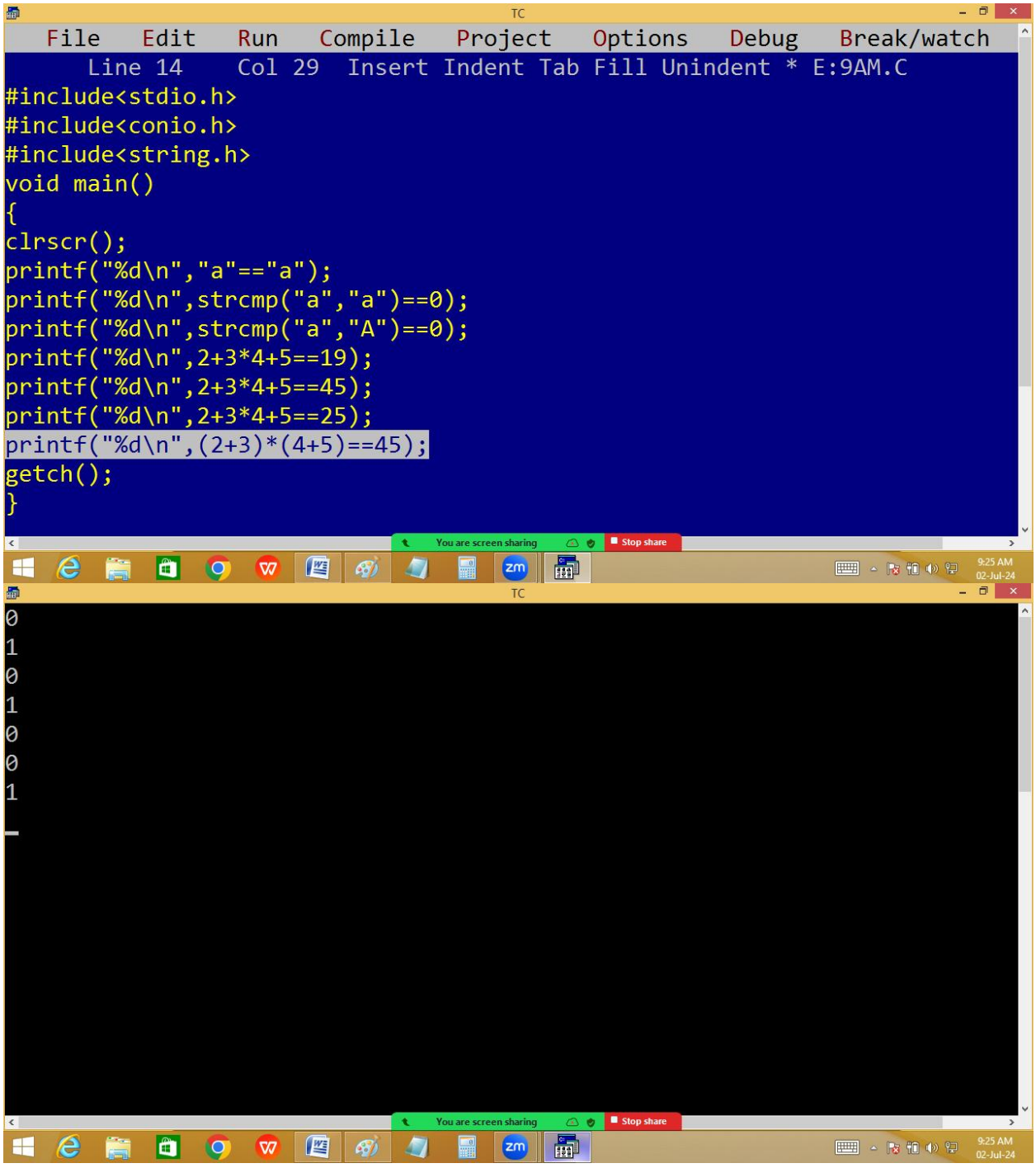
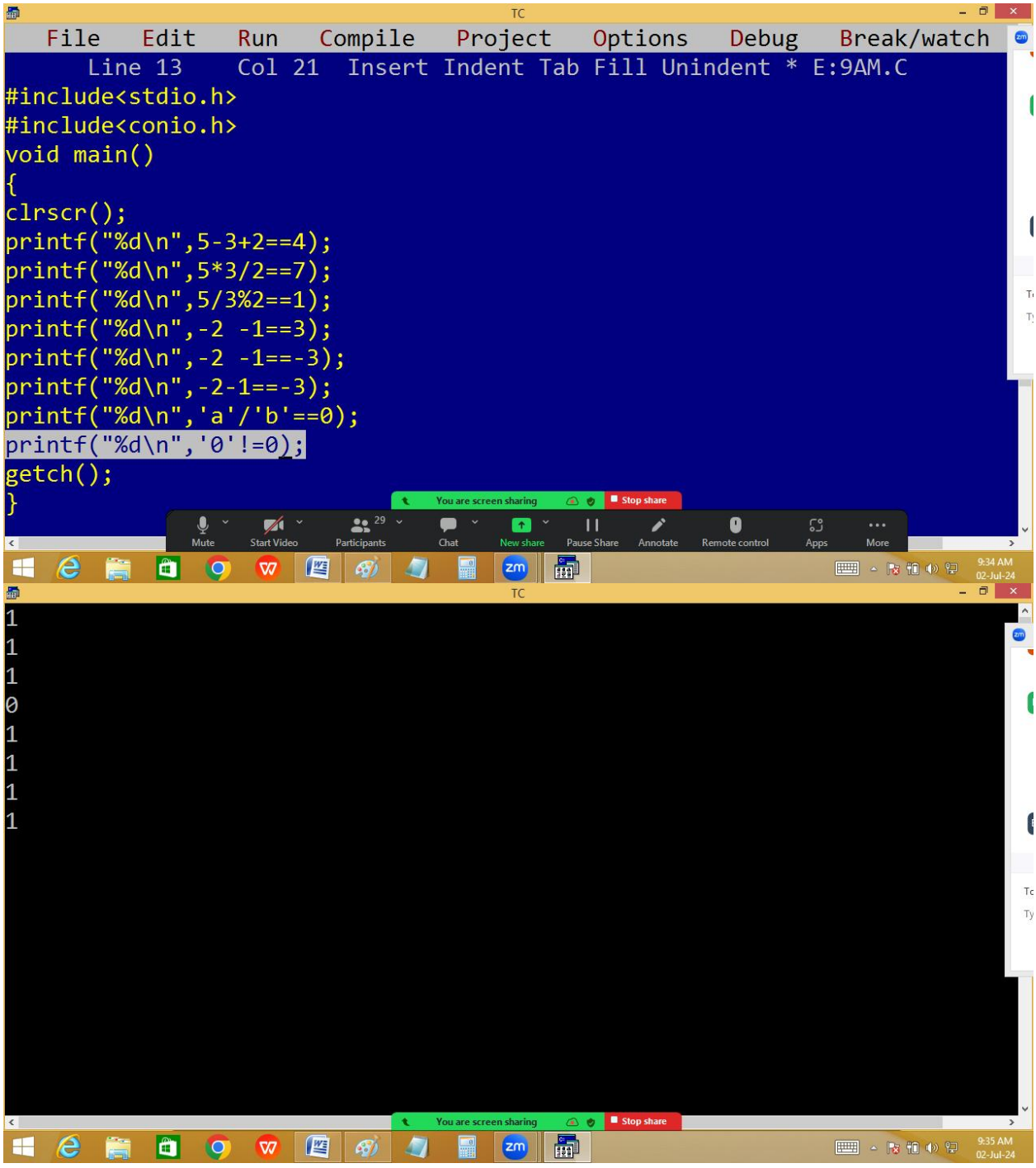

TC
File Edit Run Compile Project Options Debug Break/watch
Line 14 Col 29 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
#include<string.h>
void main()
{
clrscr();
printf("%d\n","a"=="a");
printf("%d\n",strcmp("a","a")==0);
printf("%d\n",strcmp("a","A")==0);
printf("%d\n",2+3*4+5==19);
printf("%d\n",2+3*4+5==45);
printf("%d\n",2+3*4+5==25);
printf("%d\n",(2+3)*(4+5)==45);
getch();
}
You are screen sharing
Stop share
9:25 AM
02-Jul-24
TC
0
1
0
1
0
0
1
You are screen sharing
Stop share
9:25 AM
02-Jul-24



Logical operators:

1. && - logical and
2. || - logical or

3. ! – logical not

&&, || used to combine two or more expressions into a single expression.

! used for negation. i.e true become false and false become true.

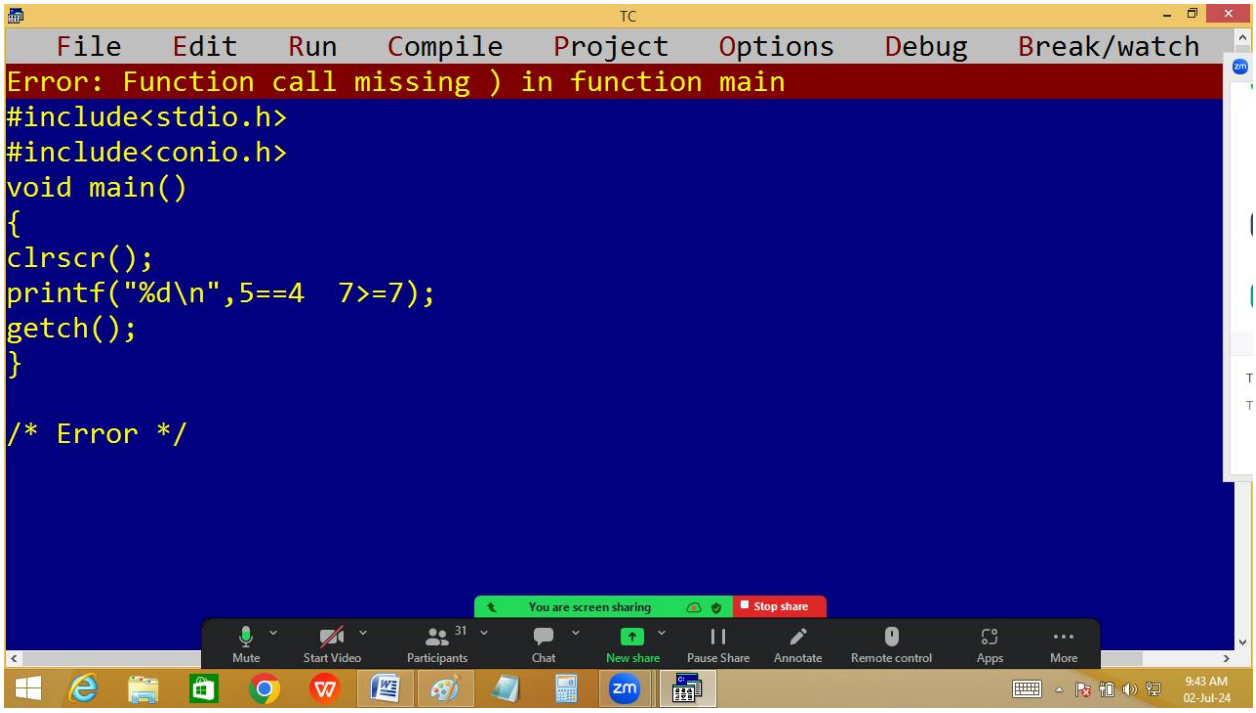
Note: In C & C++ 0 means false and other than 0 anything is true i.e. 1

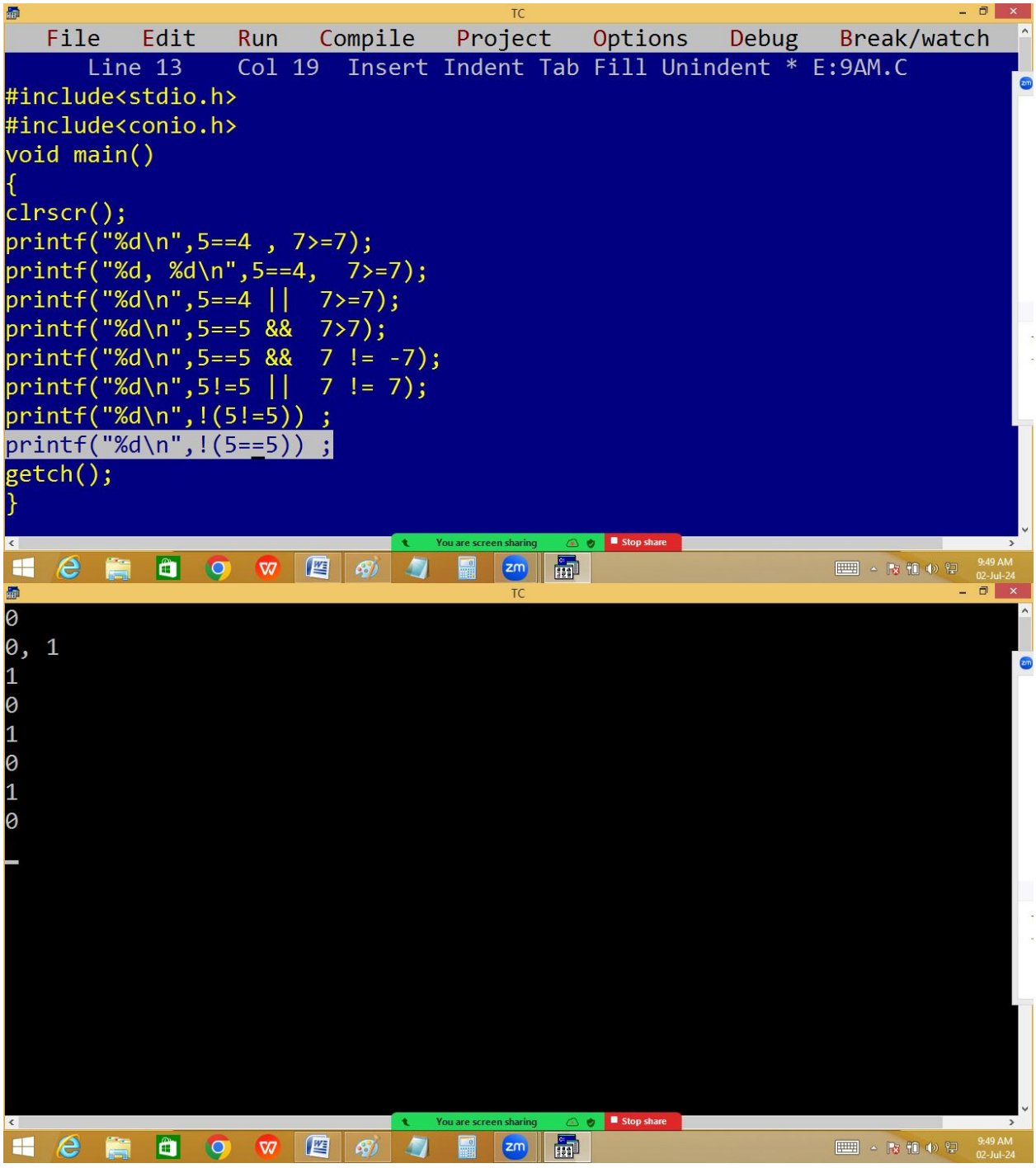
Truth tables:

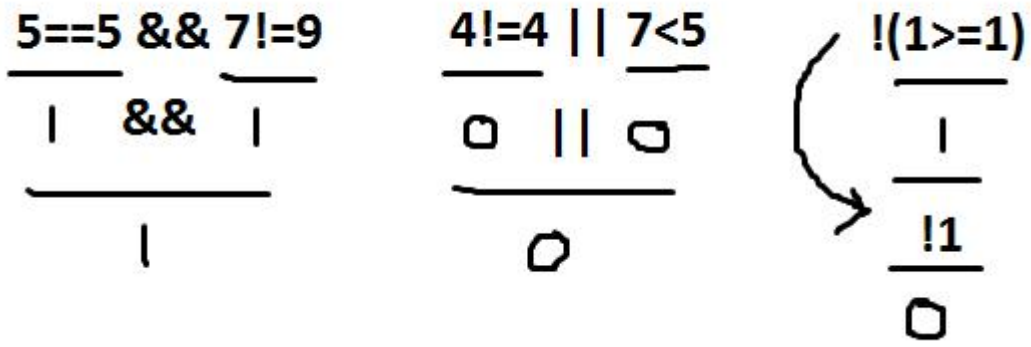
Operator	Expressions1	Expression2	Result
&&	1-true	1	1
	1	0	0
	0	1	0
	0	0	0
||	1	1	1
	1	0	1
	0	1	1
	0	0	0

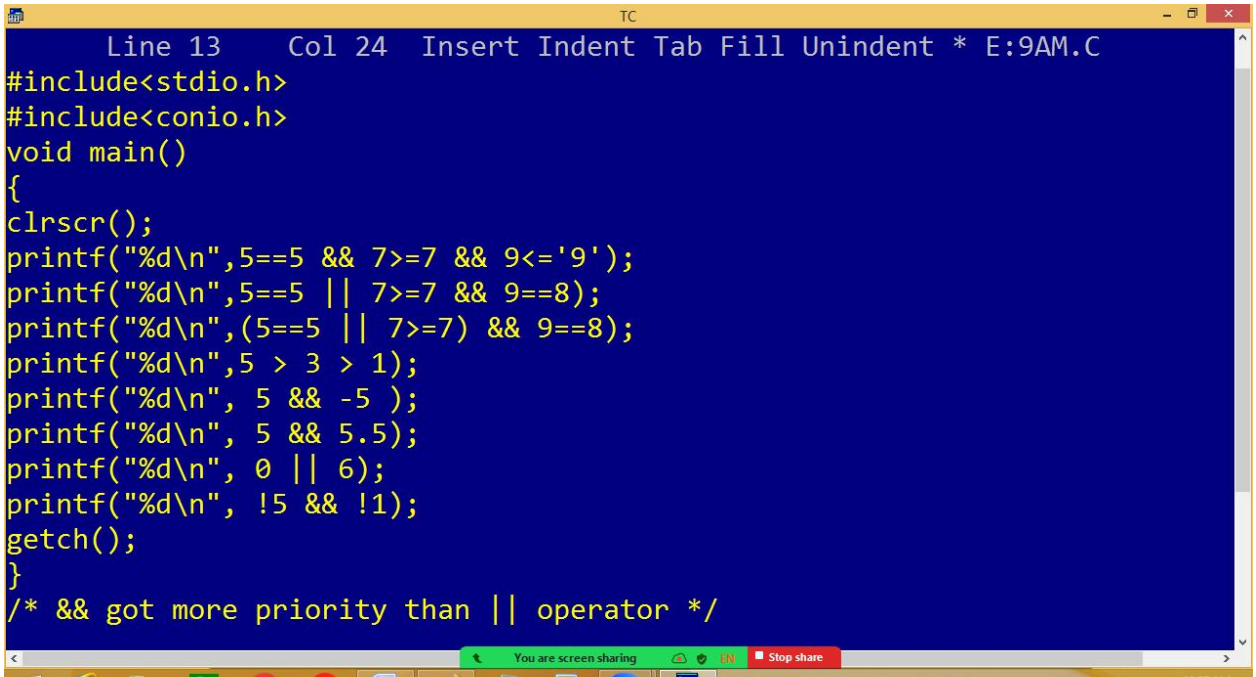
!true = false

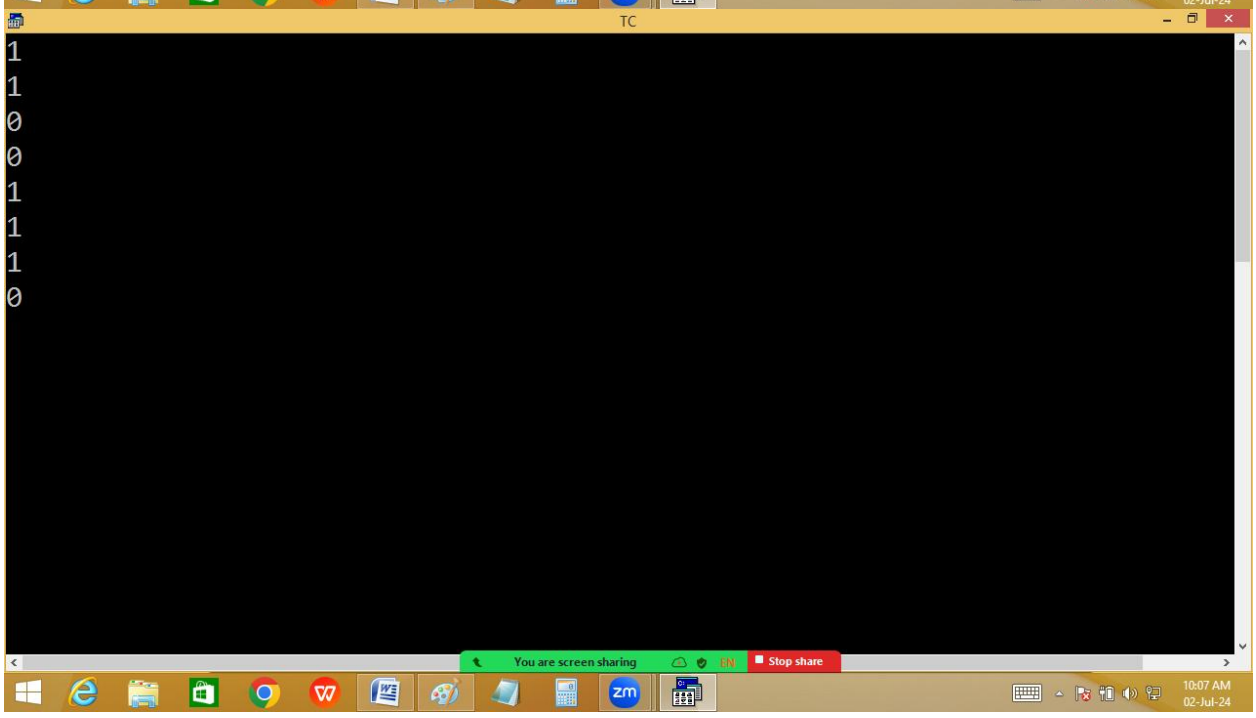
!false = true

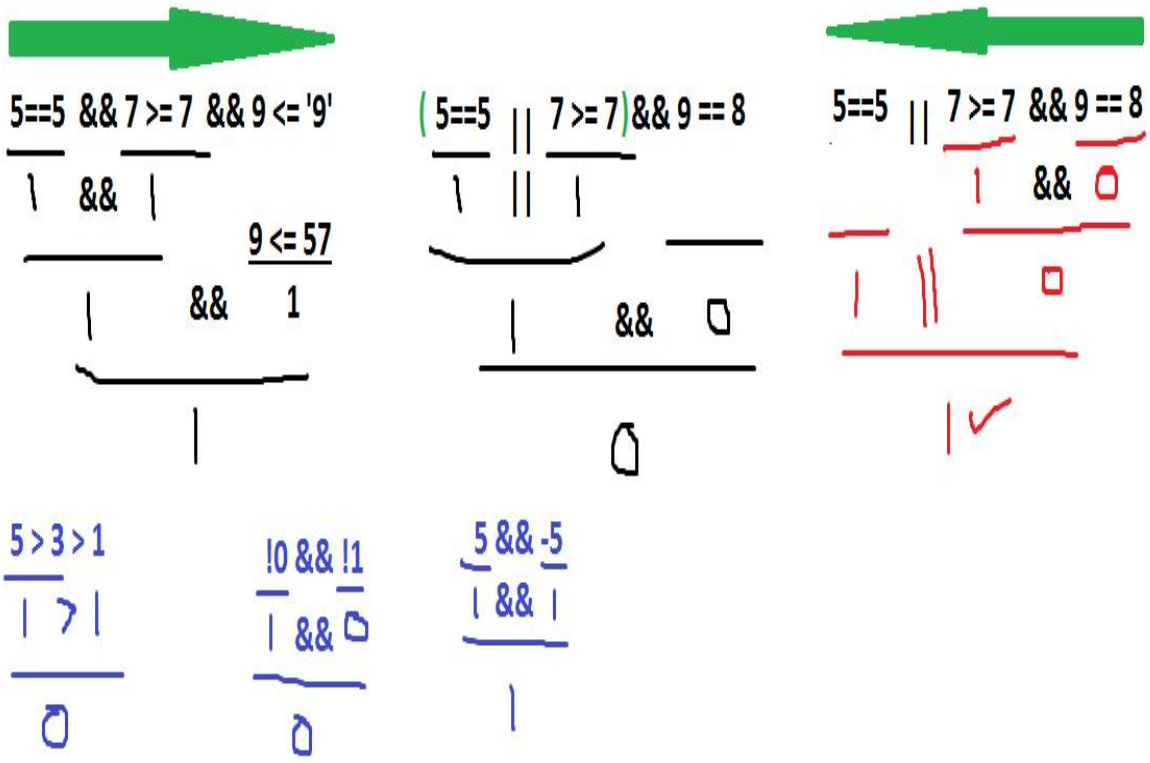

TC
File Edit Run Compile Project Options Debug Break/watch
Error: Function call missing) in function main
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d\n",5==4 7>=7);
getch();
}
/* Error */
You are screen sharing
Stop share
Mute
Start Video
Participants
Chat
New share
Pause Share
Annotate
Remote control
Apps
More
9:43 AM
02-Jul-24


TC
File Edit Run Compile Project Options Debug Break/watch
Line 13 Col 19 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d\n",5==4 , 7>=7);
printf("%d, %d\n",5==4, 7>=7);
printf("%d\n",5==4 || 7>=7);
printf("%d\n",5==5 && 7>7);
printf("%d\n",5==5 && 7 != -7);
printf("%d\n",5!=5 || 7 != 7);
printf("%d\n",!(5!=5)) ;
printf("%d\n",!(5==5)) ;
getch();
}
You are screen sharing
Stop share
9:49 AM
02-Jul-24
TC
0
0, 1
1
0
1
0
1
0
You are screen sharing
Stop share
9:49 AM
02-Jul-24

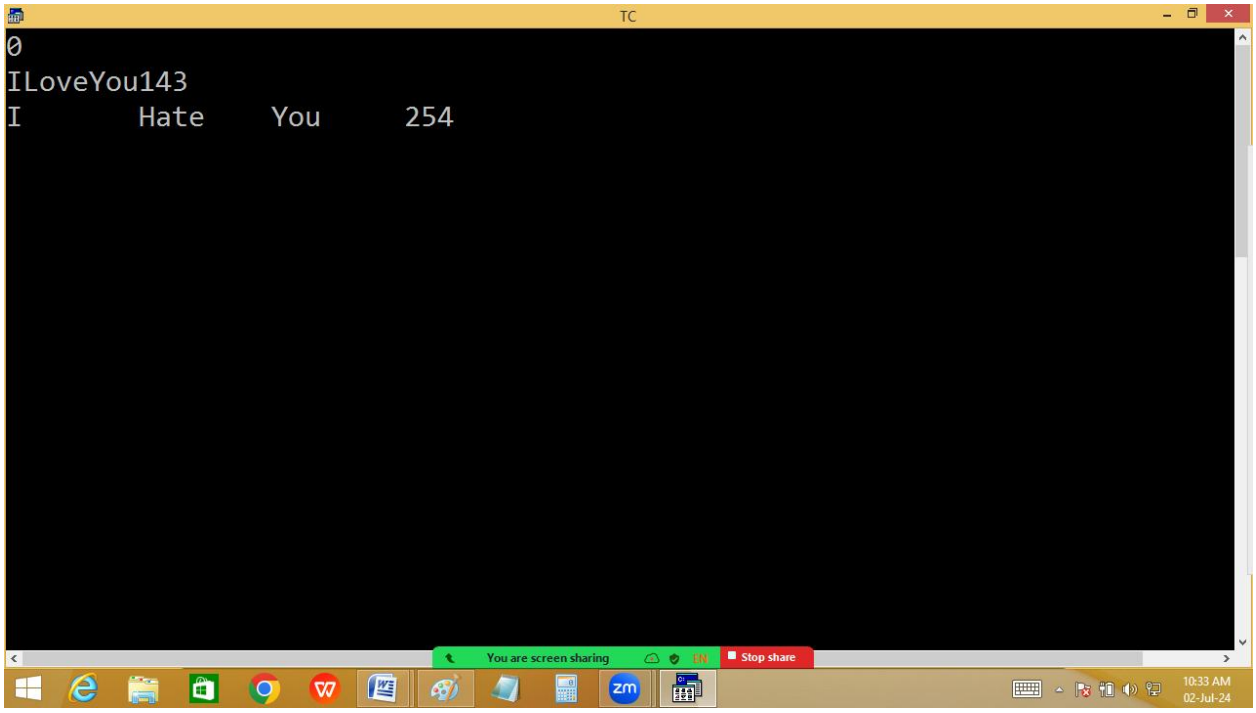

5==5 && 7!=9
1 && 1
1
4!=4 || 7<5
0 || 0
0
!(1>=1)
1
!1
0

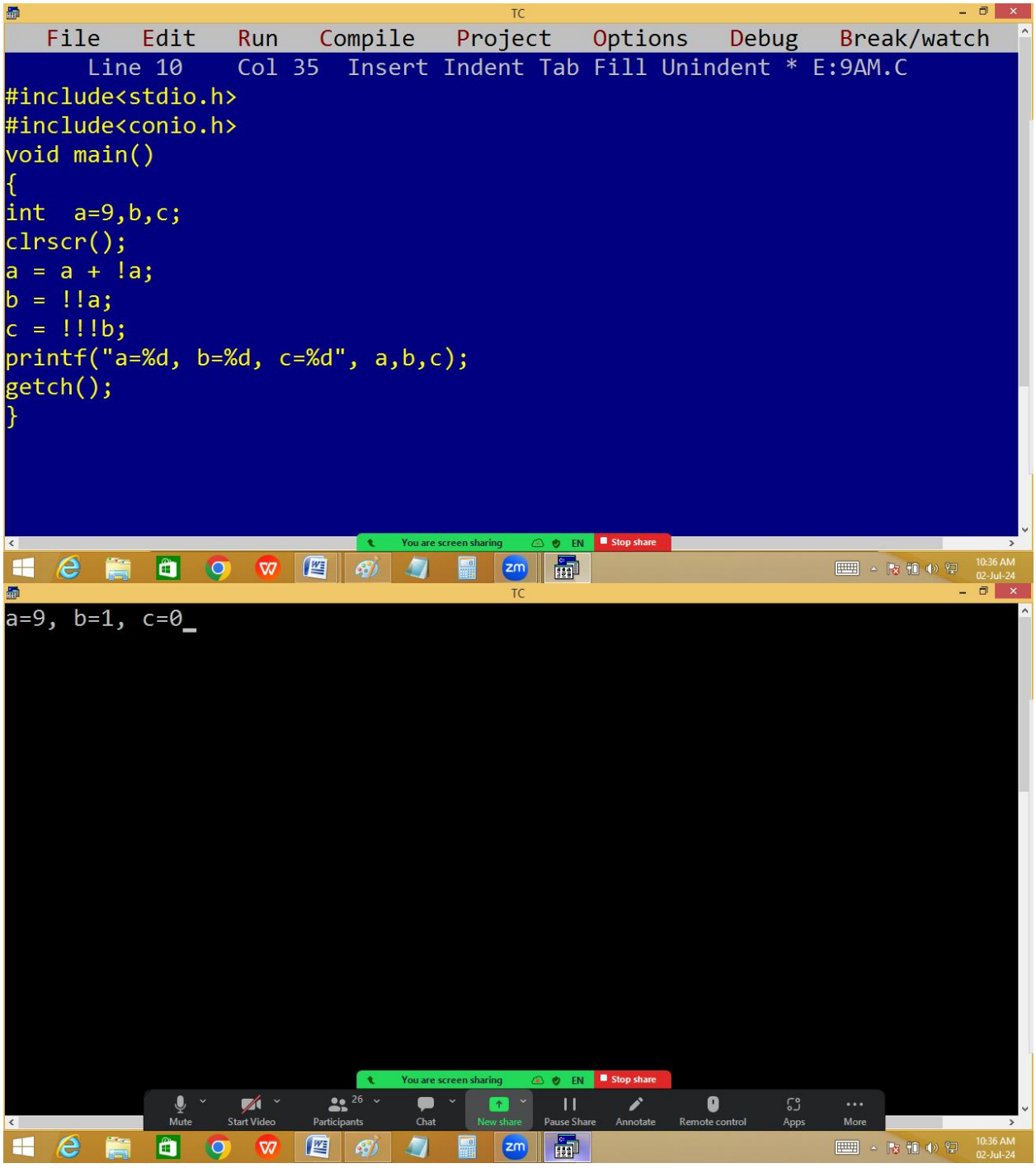

TC
Line 13 Col 24 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d\n",5==5 && 7>=7 && 9<='9');
printf("%d\n",5==5 || 7>=7 && 9==8);
printf("%d\n",(5==5 || 7>=7) && 9==8);
printf("%d\n",5 > 3 > 1);
printf("%d\n", 5 && -5);
printf("%d\n", 5 && 5.5);
printf("%d\n", 0 || 6);
printf("%d\n", !5 && !1);
getch();
}
/* && got more priority than || operator */
You are screen sharing
Stop share
10:07 AM
02-Jul-24


TC
1
1
0
0
1
1
1
0
You are screen sharing
Stop share
10:07 AM
02-Jul-24




```
#include<stdio.h>
#include<conio.h>
void main()
{
int  a,b,c;
clrscr();
printf("%d\n", !5 >= !0 || !7 == !3 && !5 );
a = printf("I");
b = printf("Love");
c = printf("You");
printf("%d%d%d\n",a,b,c);
a = printf("I\t");
b = printf("Hate\t");
c = printf("You\t");
printf("%d%d%d",a,b,c);
getch();
}
```


TC
0
ILoveYou143
I Hate You 254
You are screen sharing
Stop share
10:33 AM
02-Jul-24


TC
File Edit Run Compile Project Options Debug Break/watch
Line 10 Col 35 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=9,b,c;
clrscr();
a = a + !a;
b = !!a;
c = !!!b;
printf("a=%d, b=%d, c=%d", a,b,c);
getch();
}
You are screen sharing
EN
Stop share
10:36 AM
02-Jul-24
TC
a=9, b=1, c=0
You are screen sharing
EN
Stop share
Mute
Start Video
Participants
26
Chat
New share
Pause Share
Annotate
Remote control
Apps
More
10:36 AM
02-Jul-24

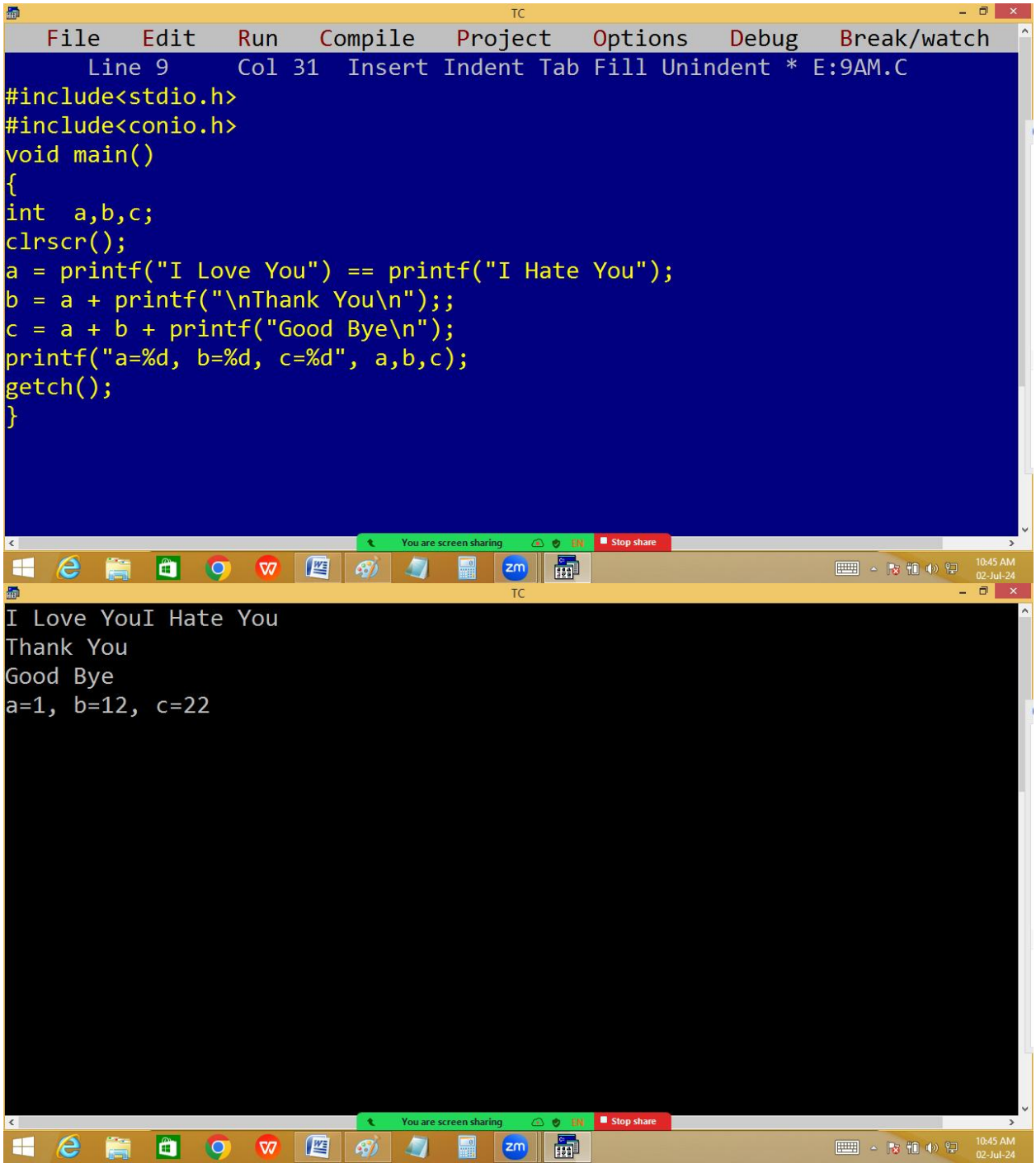
a=9

a = a + !9

a = 9 + 0 = 9

b = !!a ==> !a ==> !9 ==> 0 ==> !0 ==> 1

c = !!!b==>!1==>0 ==>!0==>1 ==> !1==> 0


TC
File Edit Run Compile Project Options Debug Break/watch
Line 9 Col 31 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") == printf("I Hate You");
b = a + printf("\nThank You\n");;
c = a + b + printf("Good Bye\n");
printf("a=%d, b=%d, c=%d", a,b,c);
getch();
}
You are screen sharing
Stop share
TC
I Love YouI Hate You
Thank You
Good Bye
a=1, b=12, c=22
You are screen sharing
Stop share