Logical operators [&& - and, | | - or, ! - not]:

&&, || used to combine two or more expressions. ! operator used for negation. i.e. true becomes false and false become true.

Note: In c other than 0 anything is 1 i.e. true.

Truth tables:

Operator	Expression1	Expressions2	result
&&	1	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

```
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", 4>=4 5!=5 );
getch();
}

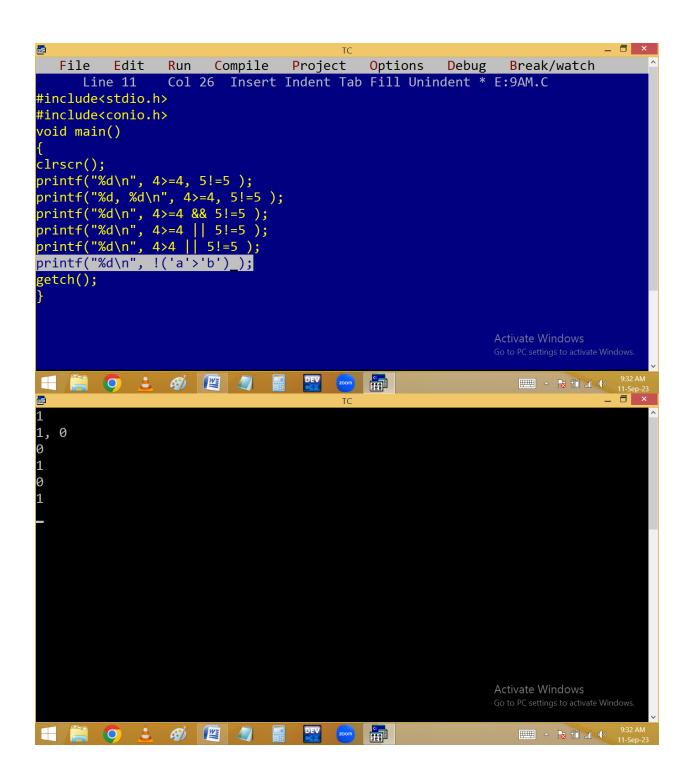
Activate Windows

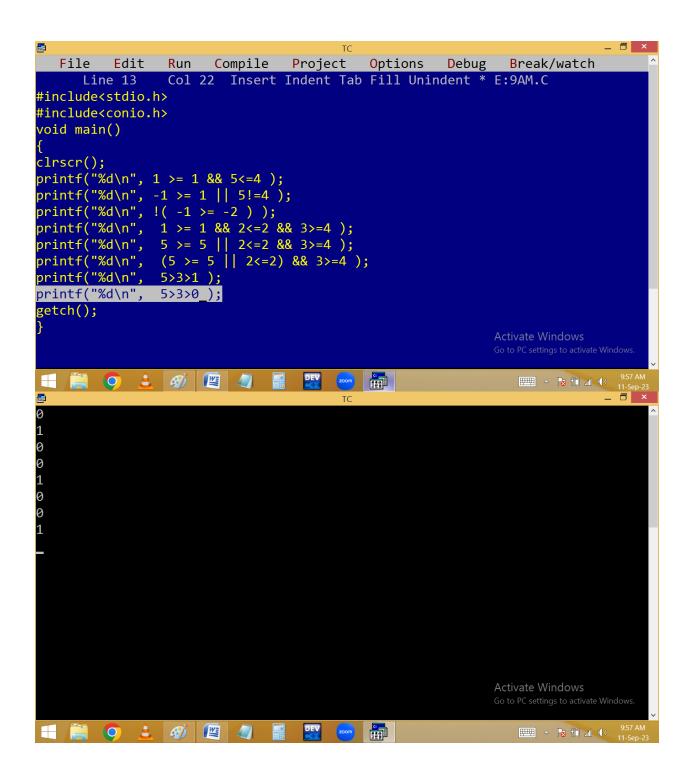
Build 9600

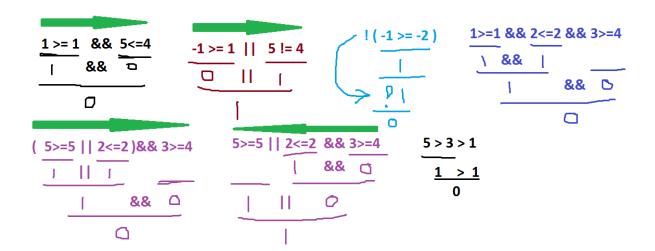
924 AM

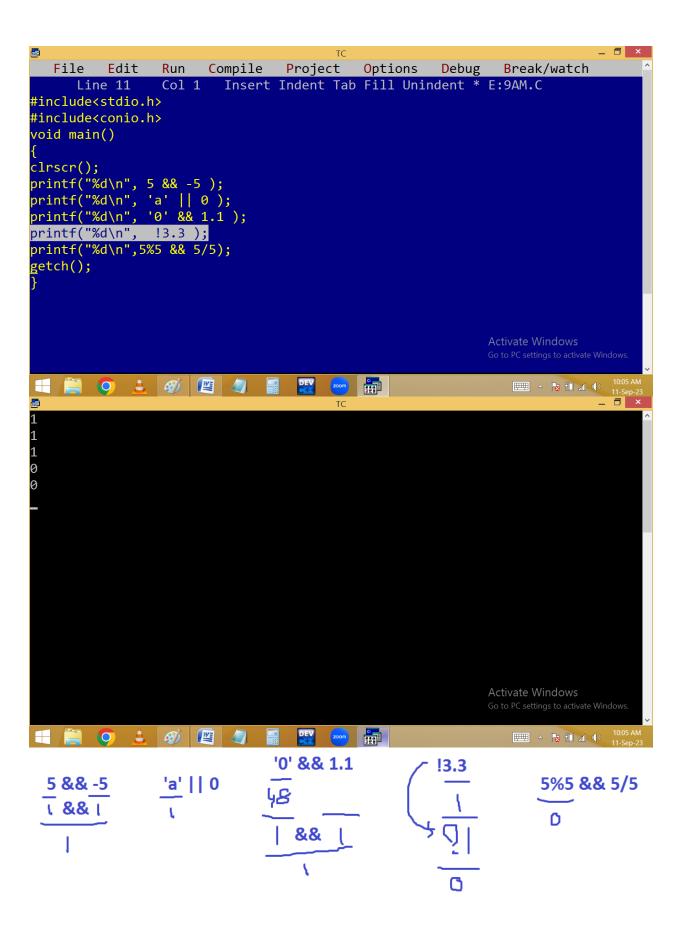
924 AM

11.569-23
```

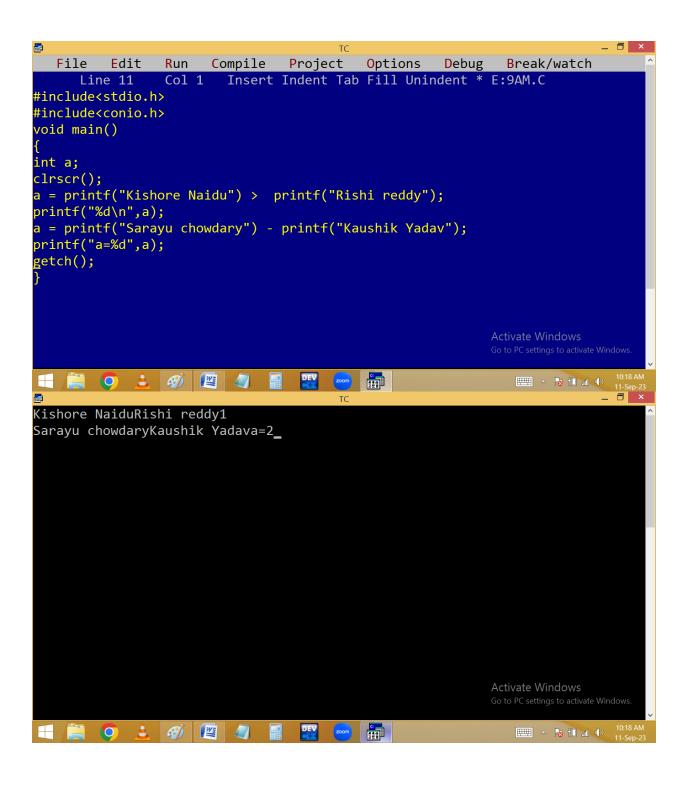


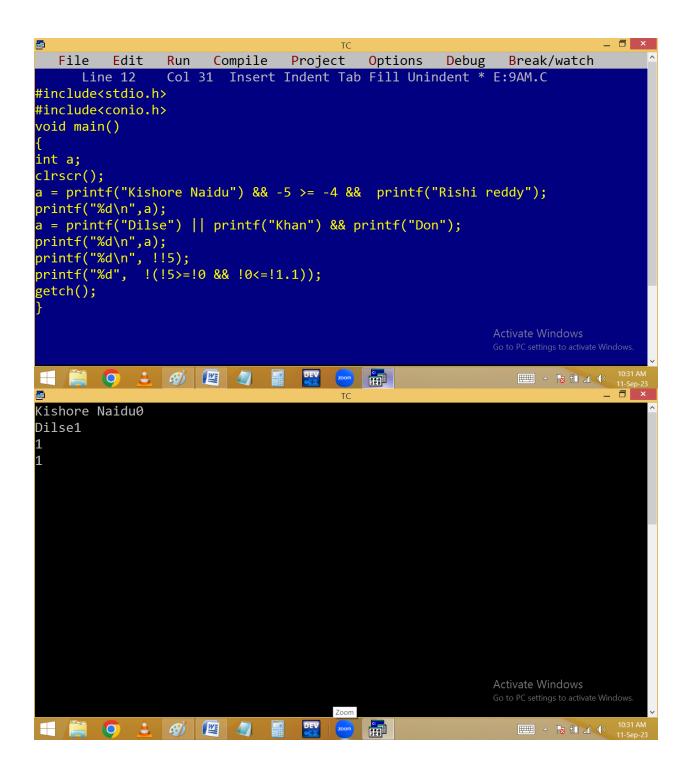


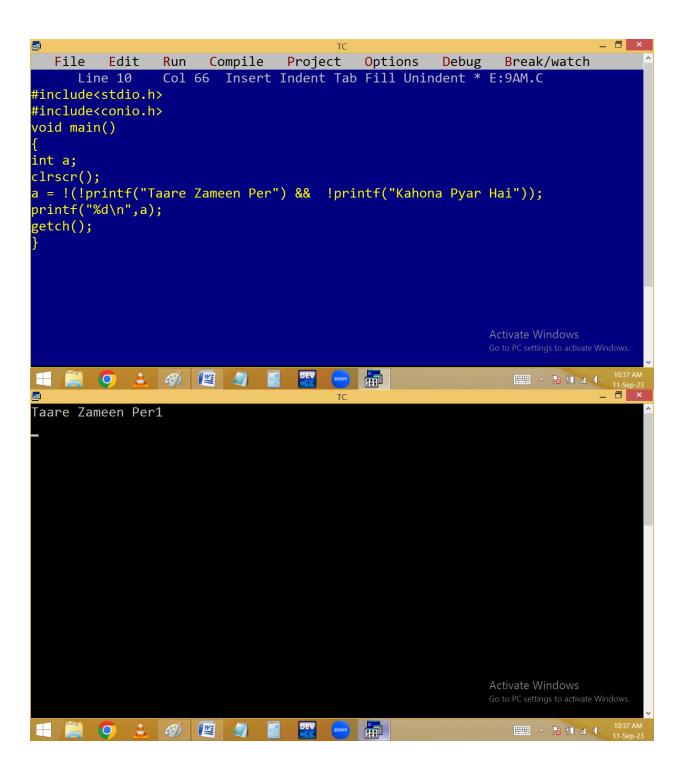




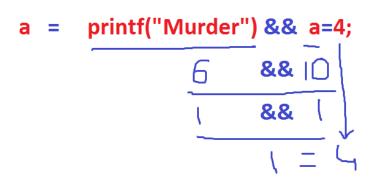
```
Debug Break/watch
   File Edit
                 Run
                       Compile Project Options
                 Col 61 Insert Indent Tab Fill Unindent * E:9AM.C
      Line 16
#include<stdio.h>
#include<conio.h>
void main()
int a;
clrscr();
a = printf("Kishore") && printf("Naresh IT");
printf("a = %d\n",a);
a = printf("") && printf("Jawaan");
printf("a = %d\n",a);
a = printf("Pathaan") || printf("Dungal");
printf("a = %d\n",a);
getch();
/* Note: In && operation when left exp false, right exp not checked In || operation when left exp true, right exp not checked *Activate Windows of the PC settings to activate Windows.
                                                                10:12 A
KishoreNaresh ITa = 1
a = 0
Pathaana = 1
                                                             Activate Windows
△ 🏗 🛍 📣 10:12 AM
```







```
Debug Break/watch
  File Edit Run
                    Compile
                            Project
                                     Options
Error: Lvalue required in function main
#include<stdio.h>
#include<conio.h>
void main()
int a;
clrscr();
a = printf("Murder") && a=1;
printf("%d\n",a);
getch();
                                                   Activate Windows
   10:41 Al
```



Here 1 is a constant and constant copy not allowed

