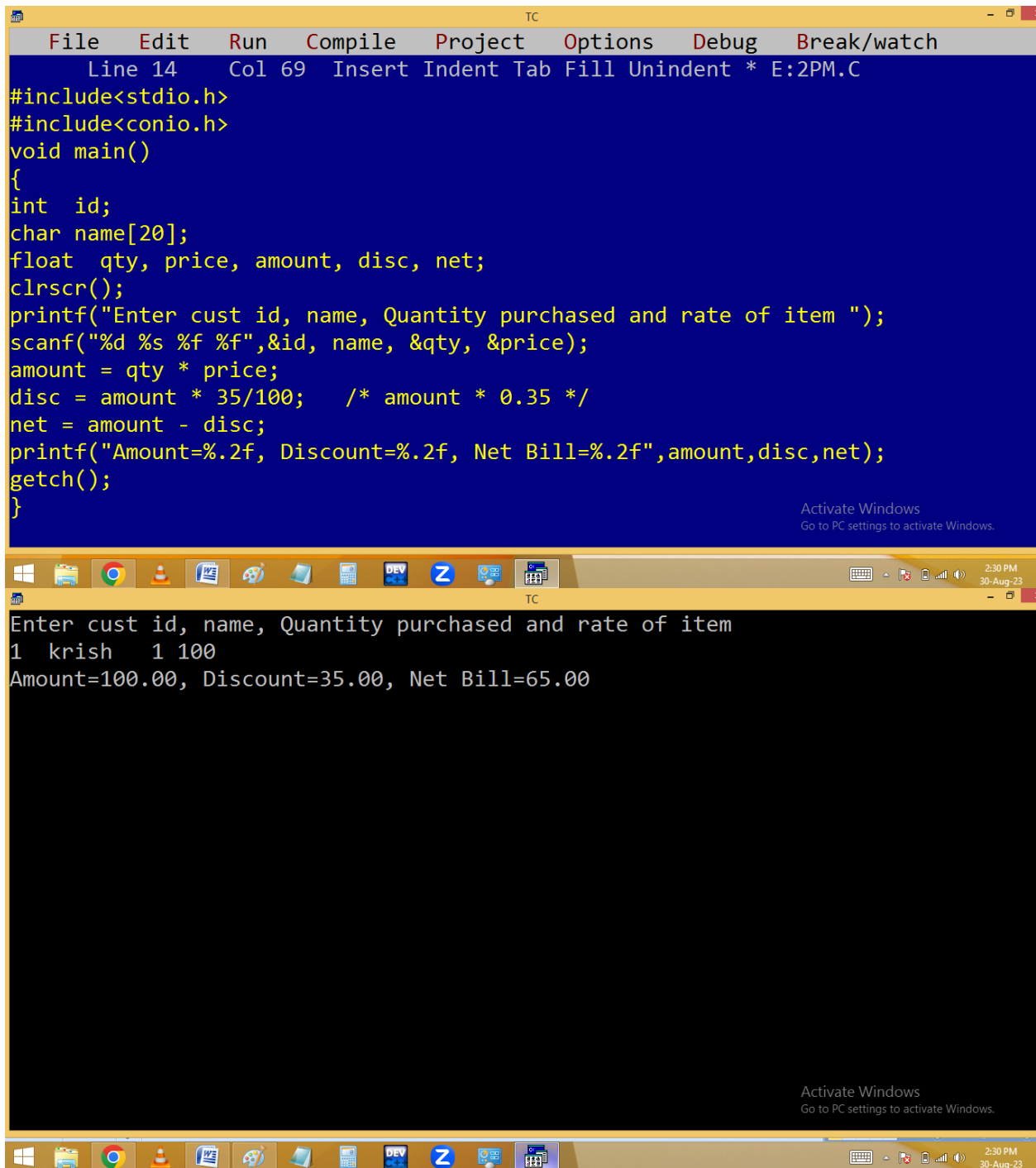


Read a customer id, name, quantity purchased and rate of item. Find the amount, 35% discount and net bill.



The image shows a screenshot of a Turbo C++ (TC) IDE. The top menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the top indicates 'Line 14 Col 69 Insert Indent Tab Fill Unindent \* E:2PM.C'. The main editing area has a blue background and contains the following C code:

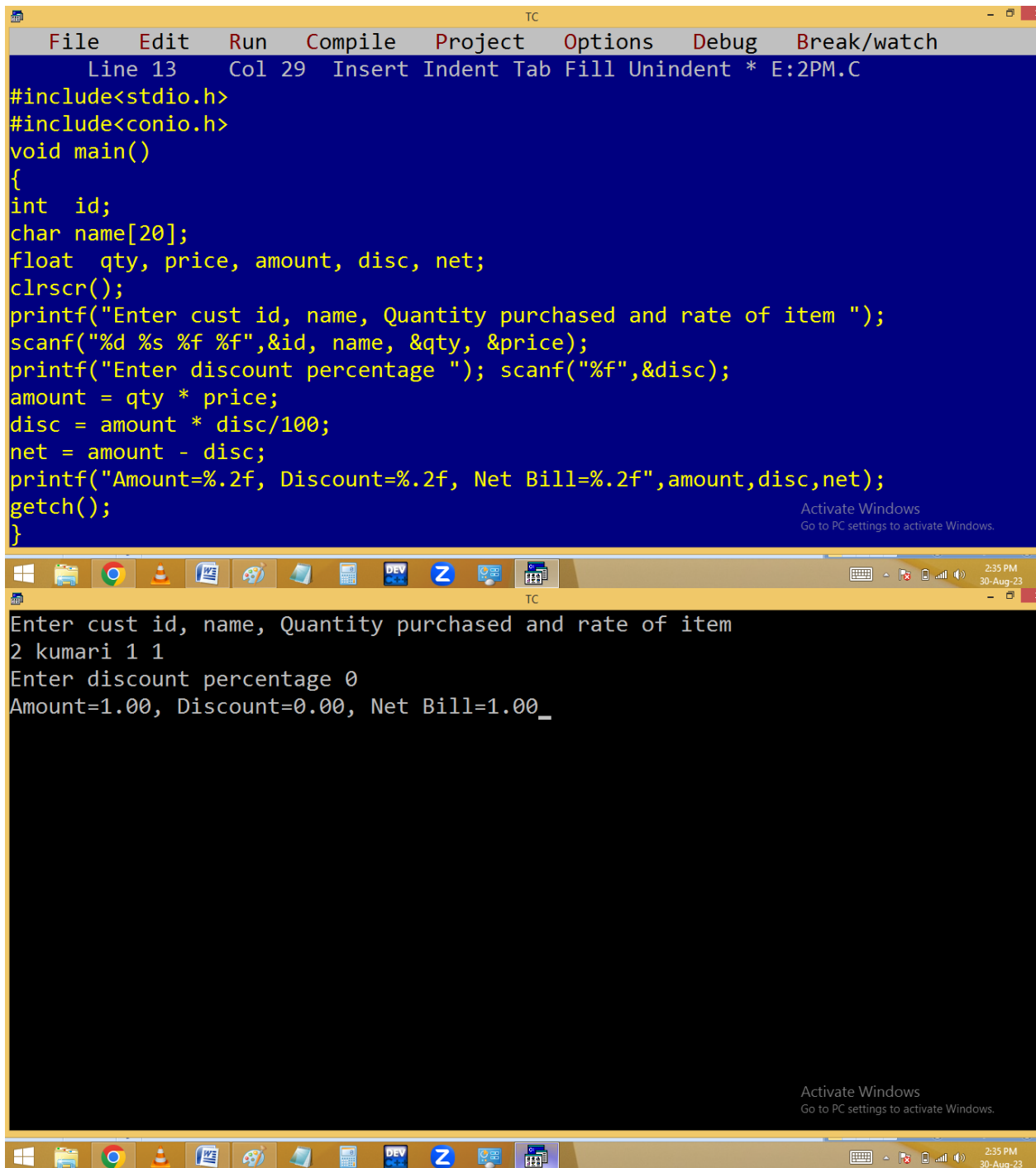
```
#include<stdio.h>
#include<conio.h>
void main()
{
    int id;
    char name[20];
    float qty, price, amount, disc, net;
    clrscr();
    printf("Enter cust id, name, Quantity purchased and rate of item ");
    scanf("%d %s %f %f",&id, name, &qty, &price);
    amount = qty * price;
    disc = amount * 35/100;    /* amount * 0.35 */
    net = amount - disc;
    printf("Amount=%.2f, Discount=%.2f, Net Bill=%.2f",amount,disc,net);
    getch();
}
```

Below the code editor, the program's output is displayed on a black background. It shows the prompt 'Enter cust id, name, Quantity purchased and rate of item', followed by the user input '1 krish 1 100', and the calculated results 'Amount=100.00, Discount=35.00, Net Bill=65.00'. The Windows taskbar at the bottom shows various application icons and the system clock indicating 2:30 PM on 30-Aug-23. An 'Activate Windows' watermark is visible in the bottom right corner of the output window.

```
TC
Enter cust id, name, Quantity purchased and rate of item
2 kumari 1 1
Amount=1.00, Discount=0.35, Net Bill=0.65_
```

Activate Windows  
Go to PC settings to activate Windows.

**Changeable discount:**



The image shows a screenshot of a Turbo C++ (TC) IDE. The top menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the top indicates 'Line 13 Col 29 Insert Indent Tab Fill Unindent \* E:2PM.C'. The main editor area has a blue background and contains the following C code:

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int id;
    char name[20];
    float qty, price, amount, disc, net;
    clrscr();
    printf("Enter cust id, name, Quantity purchased and rate of item ");
    scanf("%d %s %f %f",&id, name, &qty, &price);
    printf("Enter discount percentage "); scanf("%f",&disc);
    amount = qty * price;
    disc = amount * disc/100;
    net = amount - disc;
    printf("Amount=%.2f, Discount=%.2f, Net Bill=%.2f",amount,disc,net);
    getch();
}
```

Below the code editor is a Windows taskbar with various application icons. The bottom window shows the program's execution output on a black background:

```
Enter cust id, name, Quantity purchased and rate of item
2 kumari 1 1
Enter discount percentage 0
Amount=1.00, Discount=0.00, Net Bill=1.00_
```

At the bottom right of the output window, there is a watermark that says 'Activate Windows Go to PC settings to activate Windows.' The system tray at the bottom right shows the time as 2:35 PM on 30-Aug-23.

```
TC
Enter cust id, name, Quantity purchased and rate of item
1 krish 1 85000
Enter discount percentage 65
Amount=85000.00, Discount=55250.00, Net Bill=29750.00
```

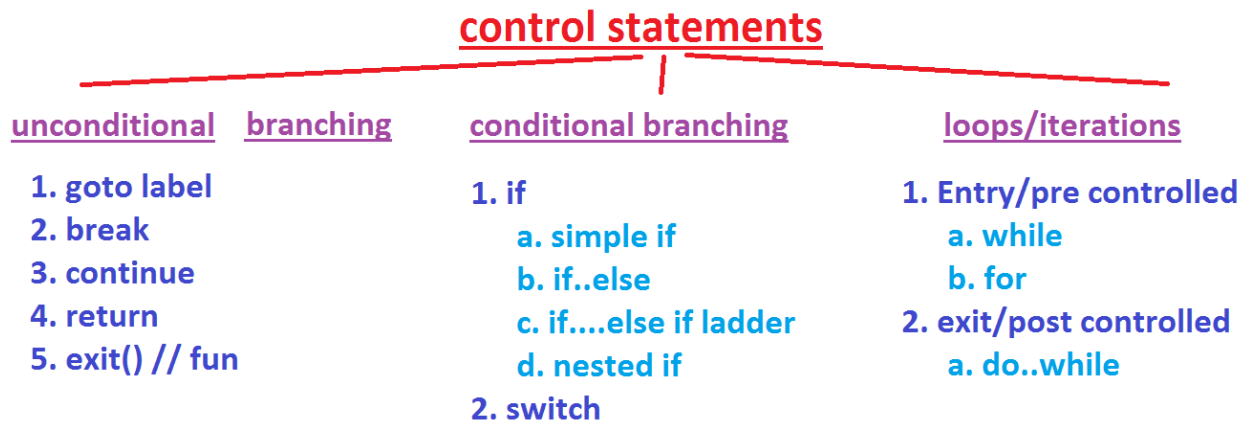
Activate Windows  
Go to PC settings to activate Windows.

```
TC
Enter cust id, name, Quantity purchased and rate of item
4 baby 1 100
Enter discount percentage 100
Amount=100.00, Discount=100.00, Net Bill=0.00
```

Activate Windows  
Go to PC settings to activate Windows.

## CONTROL STATEMENTS / CONTROL STRUCTURES

They are used to control program execution order. In c we can control the program execution by using the following statements.



### goto label / jumping statement

It is used to transfer program execution from one place to another place [label].

In this process it is jumping from one area to another without any condition. Hence it is also called **unconditional** jumping statement.

## Syntax:

```
.....;  
.....;  
goto label;  
.....;  
.....;  
label:  
.....;  
.....;
```

Here **goto** is a keyword.

Label is an identifier is used to identify the area[line].

Every label should be end with **:** (colon)

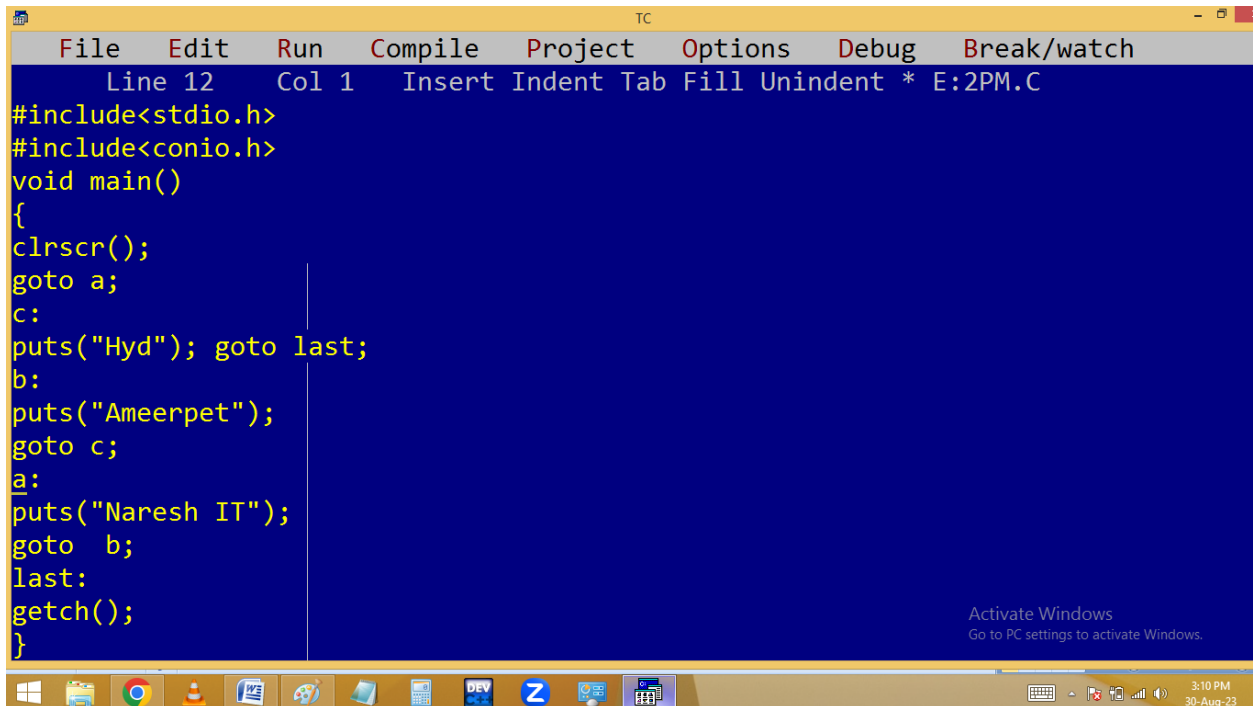
Keywords not allowed in labels i.e. label should be user defined.

Duplicate labels not allowed.

There is no space between go and to.

Label naming rules are similar to the identifier rules.

**Note:** goto label working style is similar to loops some times.

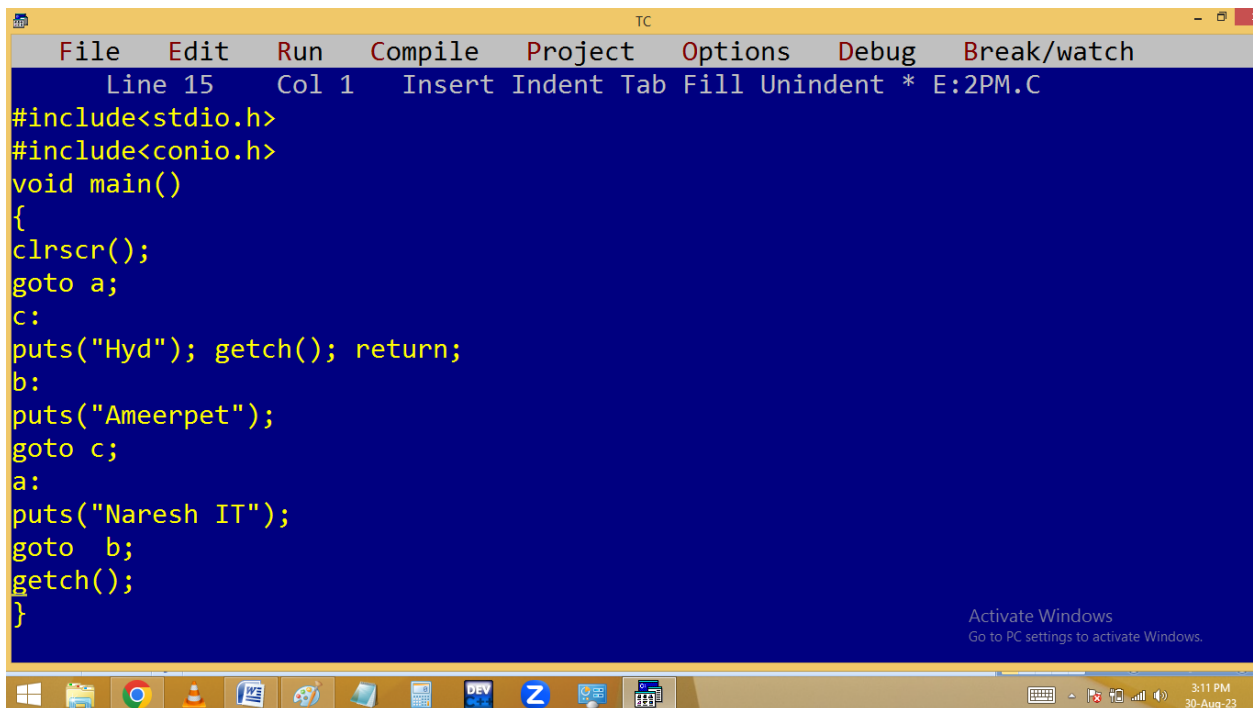
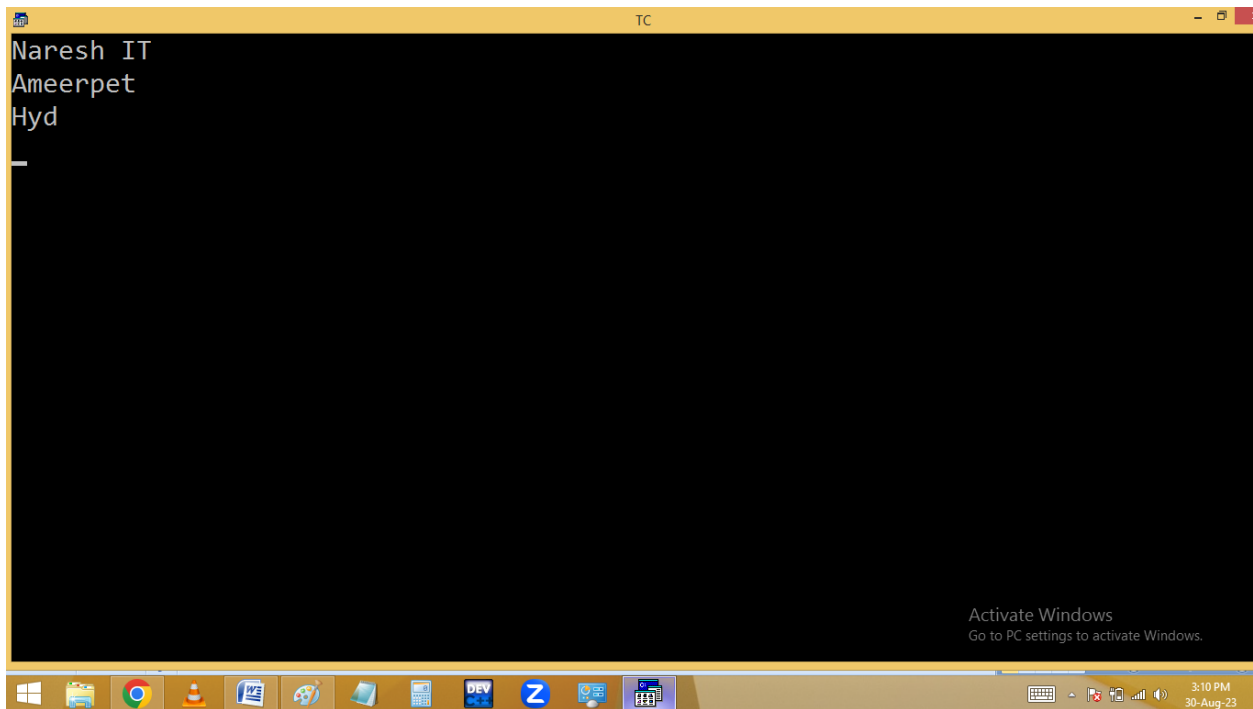


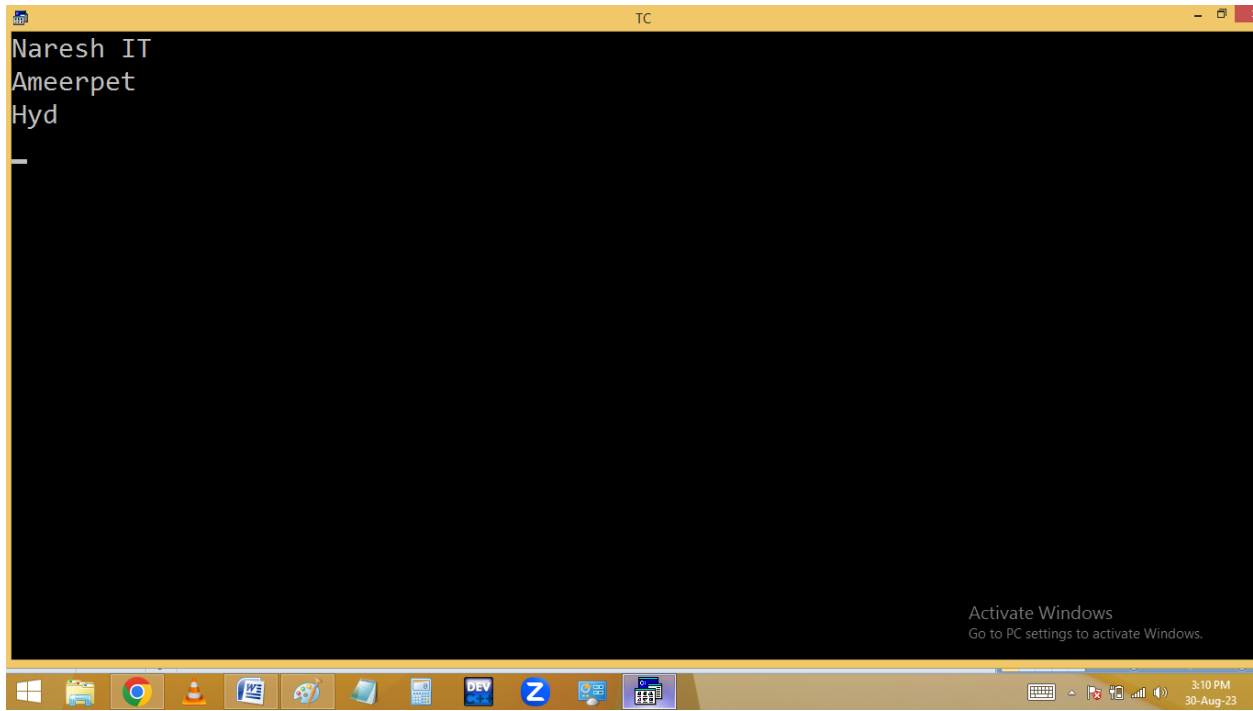
```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 12 Col 1 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
goto a;
c:
puts("Hyd"); goto last;
b:
puts("Ameerpet");
goto c;
a:
puts("Naresh IT");
goto b;
last:
getch();
}
```

Activate Windows  
Go to PC settings to activate Windows.

3:10 PM  
30-Aug-23







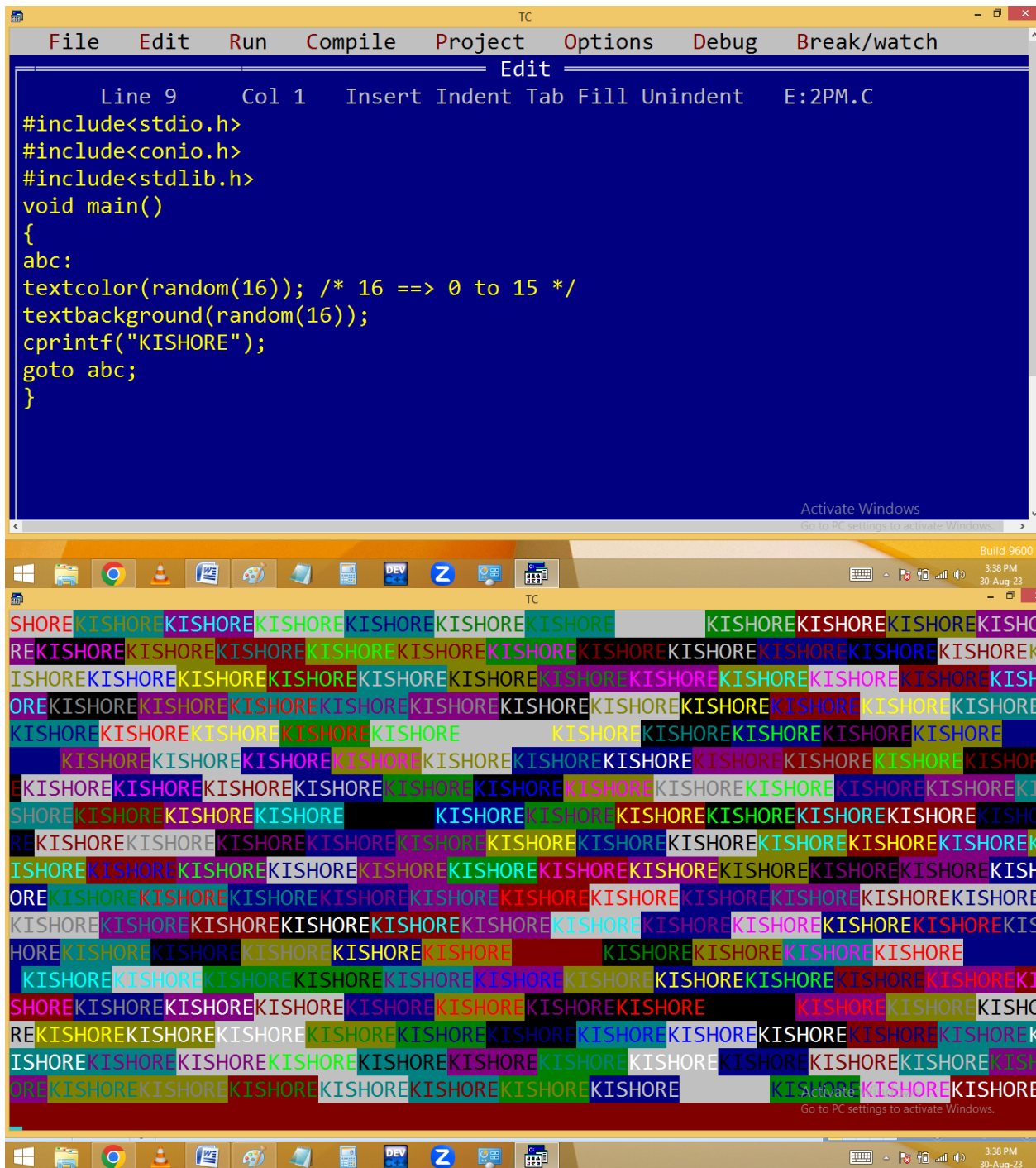
The image shows a screenshot of the Turbo C++ (TC) IDE. The top window displays a C program with the following code:

```
File Edit Run Compile Project Options Debug Break/watch
Line 9 Col 26 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
#include<stdlib.h> #include<process.h>
void main()
{
clrscr();
goto a;
c:
puts("Hyd"); getch(); exit(0);
b:
puts("Ameerpet");
goto c;
a:
puts("Naresh IT");
goto b;
getch();
}
```

The bottom window shows the output of the program:

```
Naresh IT
Ameerpet
Hyd
```

The Windows taskbar at the bottom shows the time as 3:13 PM and 3:14 PM on 30-Aug-23. An "Activate Windows" watermark is visible in the bottom right corner of both windows.



## Conditional control statements:

**if**: it is a decision making statement.