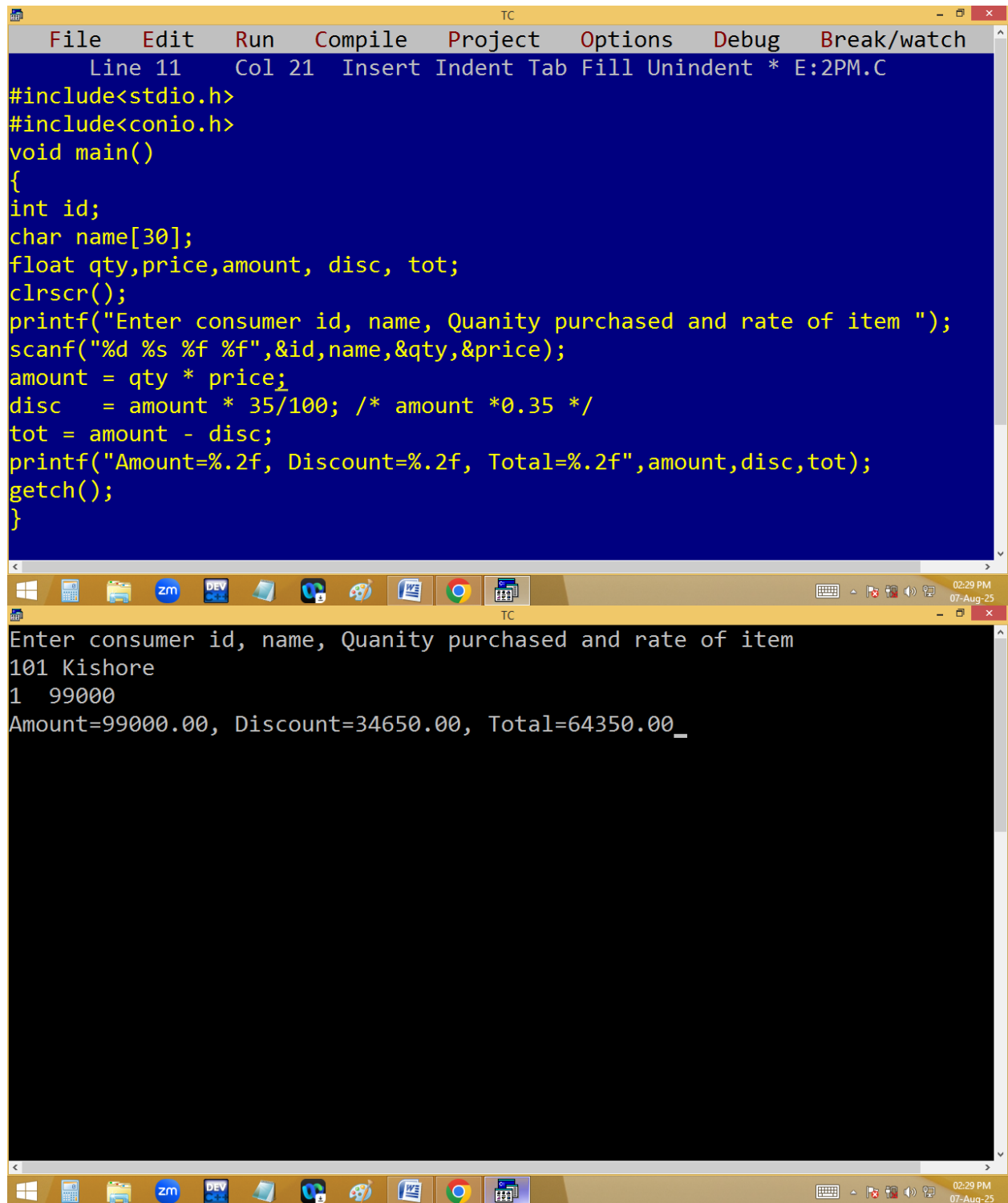


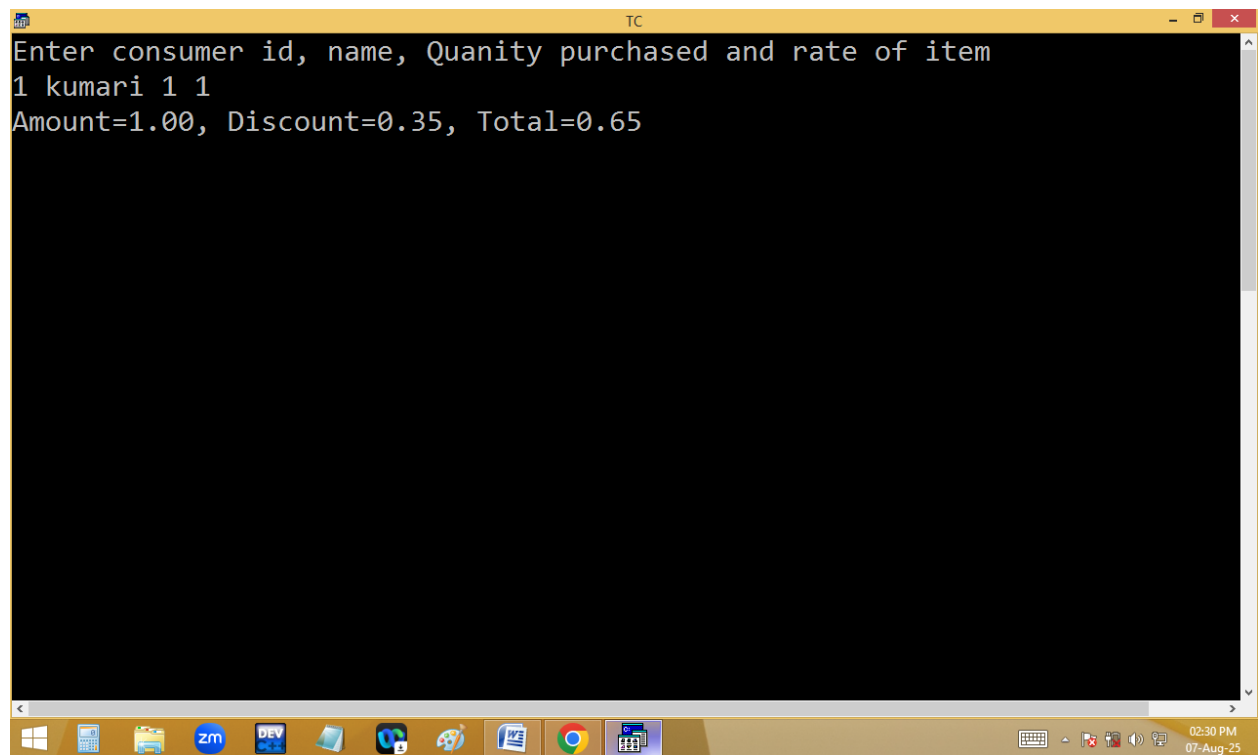
Read a customer id, name, no of items purchased and rate of item. Find the amount, 35% discount and total.



The image shows a Turbo C++ (TC) IDE window. The top menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the top indicates 'Line 11 Col 21 Insert Indent Tab Fill Unindent * E:2PM.C'. The main editor area contains the following C code:

```
#include<stdio.h>
#include<conio.h>
void main()
{
int id;
char name[30];
float qty,price,amount, disc, tot;
clrscr();
printf("Enter consumer 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 */
tot = amount - disc;
printf("Amount=%.2f, Discount=%.2f, Total=%.2f",amount,disc,tot);
getch();
}
```

Below the editor, the program's execution is shown. The prompt 'Enter consumer id, name, Quantity purchased and rate of item' is followed by the input '101 Kishore 1 99000'. The output displays 'Amount=99000.00, Discount=34650.00, Total=64350.00_'. The Windows taskbar at the bottom shows the time as 02:29 PM on 07-Aug-25.



```
TC
Enter consumer id, name, Quantity purchased and rate of item
1 kumari 1 1
Amount=1.00, Discount=0.35, Total=0.65
```

Dynamic[runtime] discount:

```
TC
#include<stdio.h>
#include<conio.h>
void main()
{
int id;
char name[30];
float qty,price,amount, disc, tot;
clrscr();
printf("Enter consumer id, name, Quantity purchased and rate of item ");
scanf("%d %s %f %f",&id,name,&qty,&price);
amount = qty * price;
printf("Amount=%.2f\n",amount);
printf("Enter discount percentage "); scanf("%f",&disc);
disc = amount * disc/100;
tot = amount - disc;
printf("Amount=%.2f, Discount=%.2f, Total=%.2f",amount,disc,tot);
getch();
}

Enter consumer id, name, Quantity purchased and rate of item
1 kumari 1 1
Amount=1.00
Enter discount percentage 0
Amount=1.00, Discount=0.00, Total=1.00

TC
02:33 PM
07-Aug-25
```

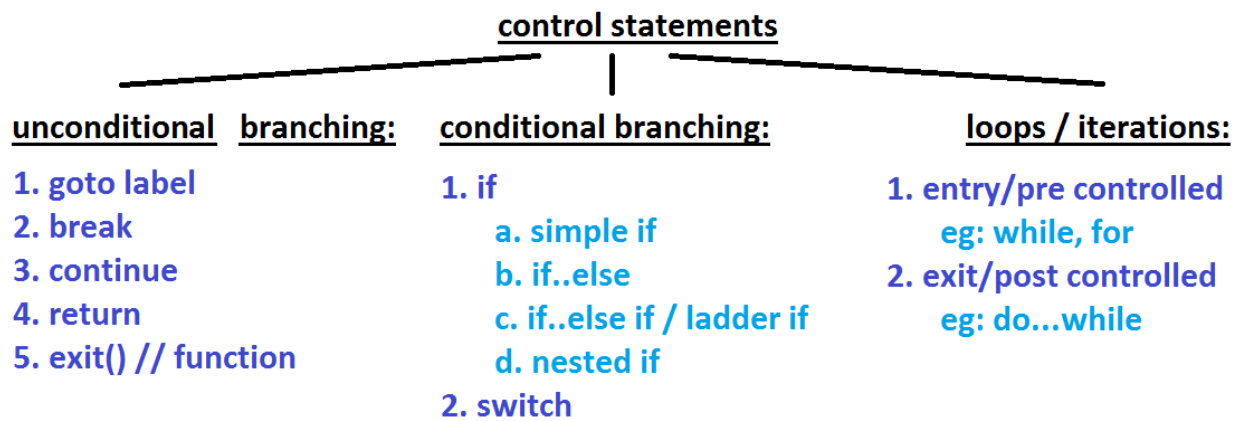
```
TC
Enter consumer id, name, Quantity purchased and rate of item
2 kishore 1 100000
Amount=100000.00
Enter discount percentage 85
Amount=100000.00, Discount=85000.00, Total=15000.00_
```

```
TC
Enter consumer id, name, Quantity purchased and rate of item
3 wife 1 1000
Amount=1000.00
Enter discount percentage 100
Amount=1000.00, Discount=1000.00, Total=0.00_
```

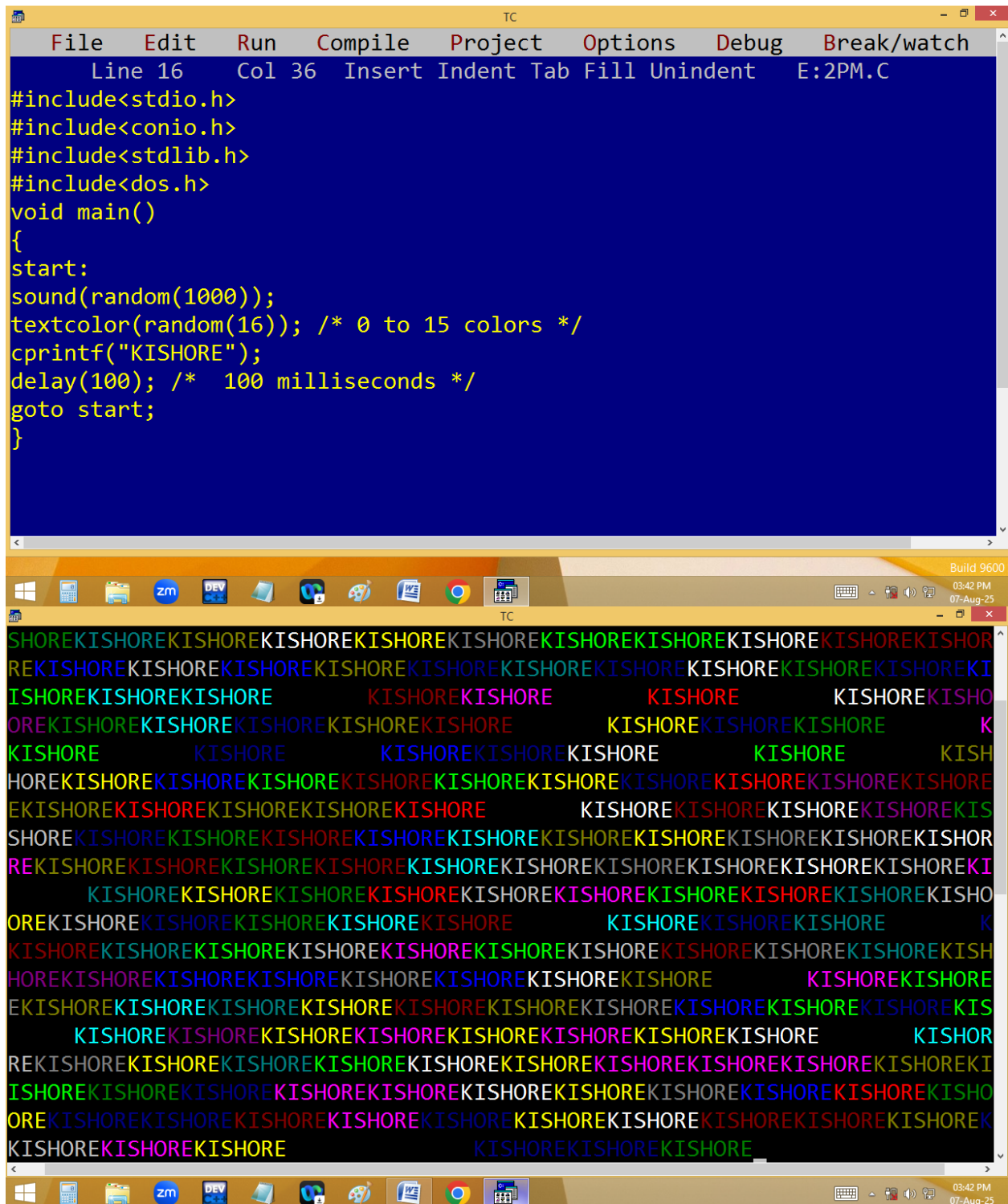
```
TC
Enter consumer id, name, Quantity purchased and rate of item
5 girlfriend 1 1000
Amount=1000.00
Enter discount percentage 200
Amount=1000.00, Discount=2000.00, Total=-1000.00_
```

CONTROL STATEMENTS / CONTROL STRUCTURES

They are used to control program execution flow [order]. In C language we are using the following control statements to control execution flow.



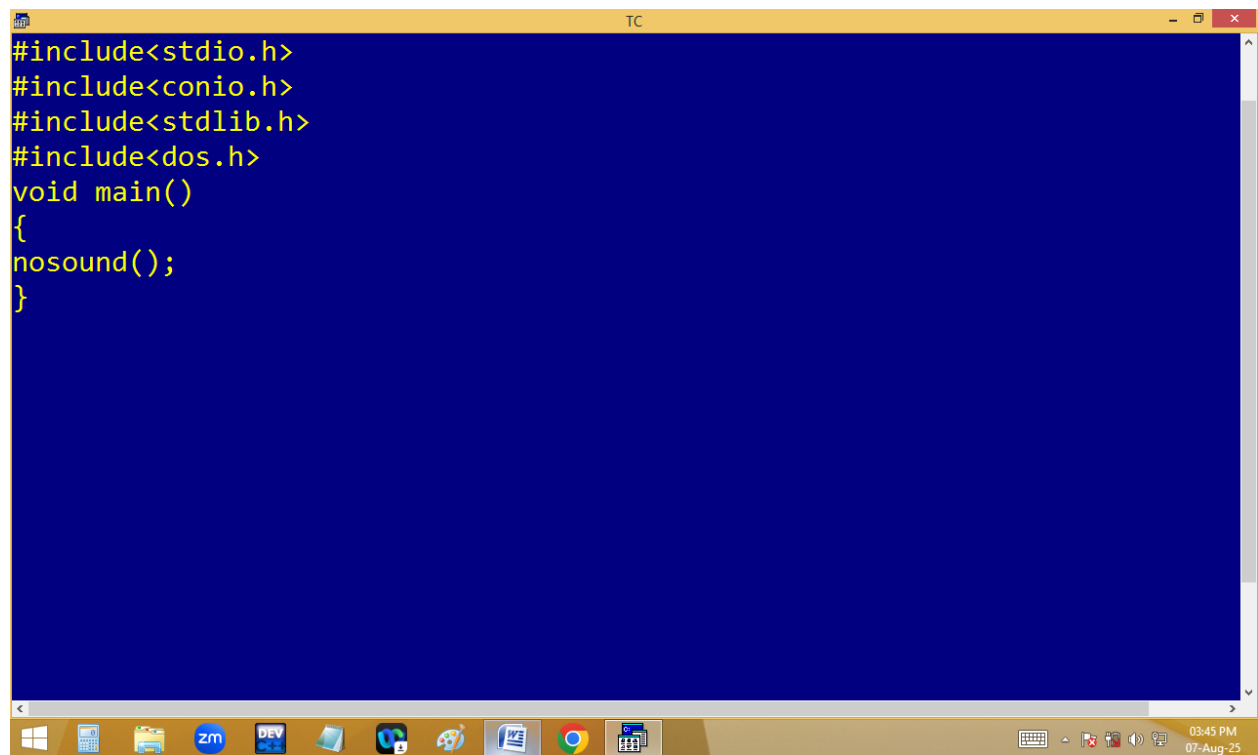
goto label:



The screenshot displays the Turbo C++ (TC) IDE interface. The top menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the top indicates 'Line 16 Col 36 Insert Indent Tab Fill Unindent E:2PM.C'. The main editor window contains the following C code:

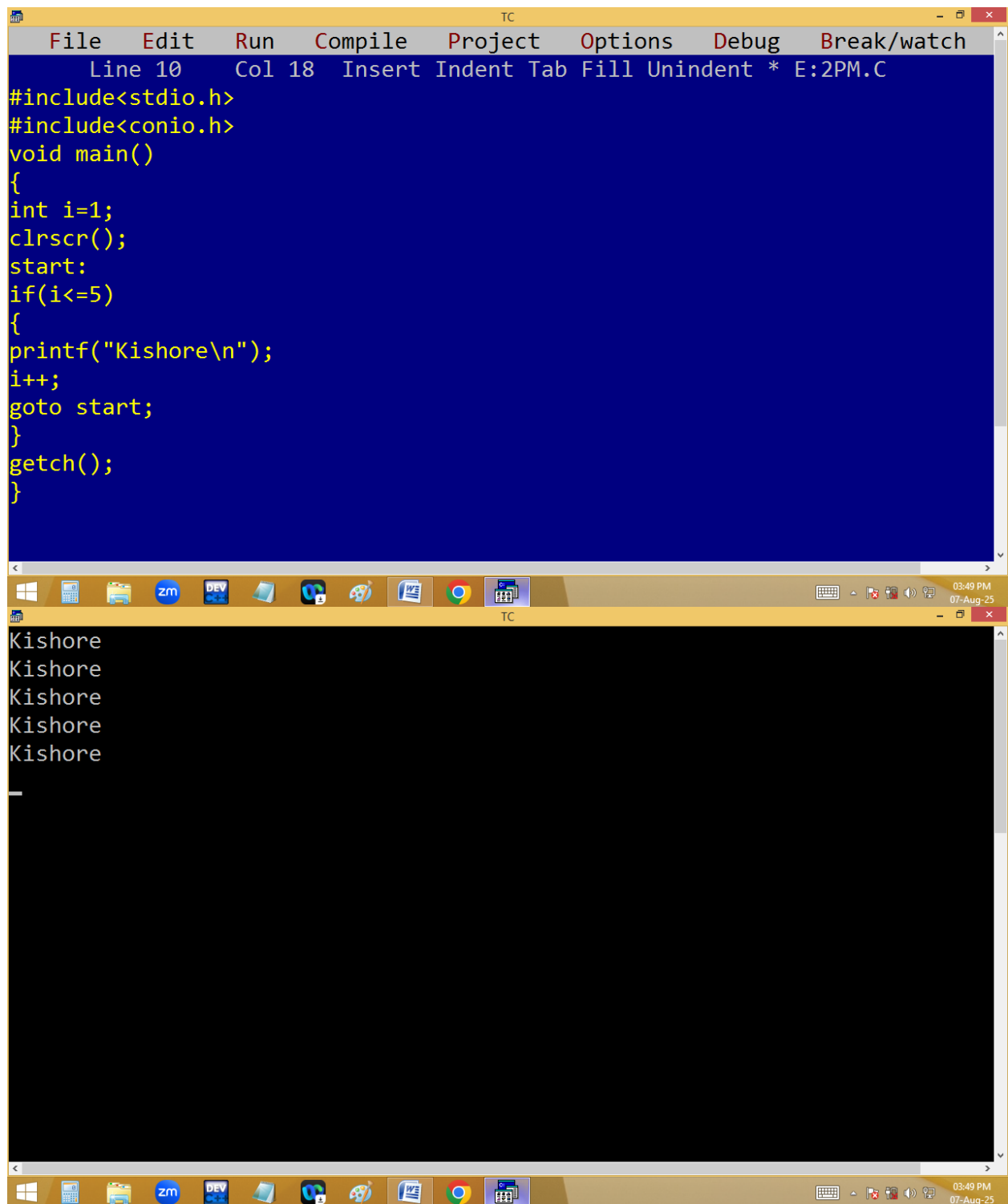
```
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
#include<dos.h>
void main()
{
start:
sound(random(1000));
textcolor(random(16)); /* 0 to 15 colors */
cprintf("KISHORE");
delay(100); /* 100 milliseconds */
goto start;
}
```

Below the editor window, the Windows taskbar is visible with icons for various applications. The bottom status bar shows 'Build 9600', '03:42 PM', and '07-Aug-25'. The output window at the bottom displays the result of the program execution, which is the word 'KISHORE' repeated multiple times in a dense, overlapping pattern. Each instance of 'KISHORE' is rendered in a different color, creating a vibrant rainbow effect. The colors used include shades of red, orange, yellow, green, cyan, blue, magenta, and black.



```
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
#include<dos.h>
void main()
{
  nosound();
}
```

Printing kishore 5 times:



The image shows a screenshot of the Turbo C++ (TC) IDE. The top window displays the source code of a C program. The code includes headers for `stdio.h` and `conio.h`, and defines a `main` function. Inside the function, it declares an integer `i` and sets it to 1. It then enters a loop structure using `start:` and `goto start;` to repeatedly print the name "Kishore" until `i` reaches 5. The program ends with `getch()` to pause execution.

```
File Edit Run Compile Project Options Debug Break/watch
Line 10 Col 18 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int i=1;
clrscr();
start:
if(i<=5)
{
printf("Kishore\n");
i++;
goto start;
}
getch();
}
```

The bottom window shows the output of the program, which is the name "Kishore" printed five times on separate lines. The Windows taskbar at the bottom indicates the system time as 03:49 PM on 07-Aug-25.

Kishore
Kishore
Kishore
Kishore
Kishore