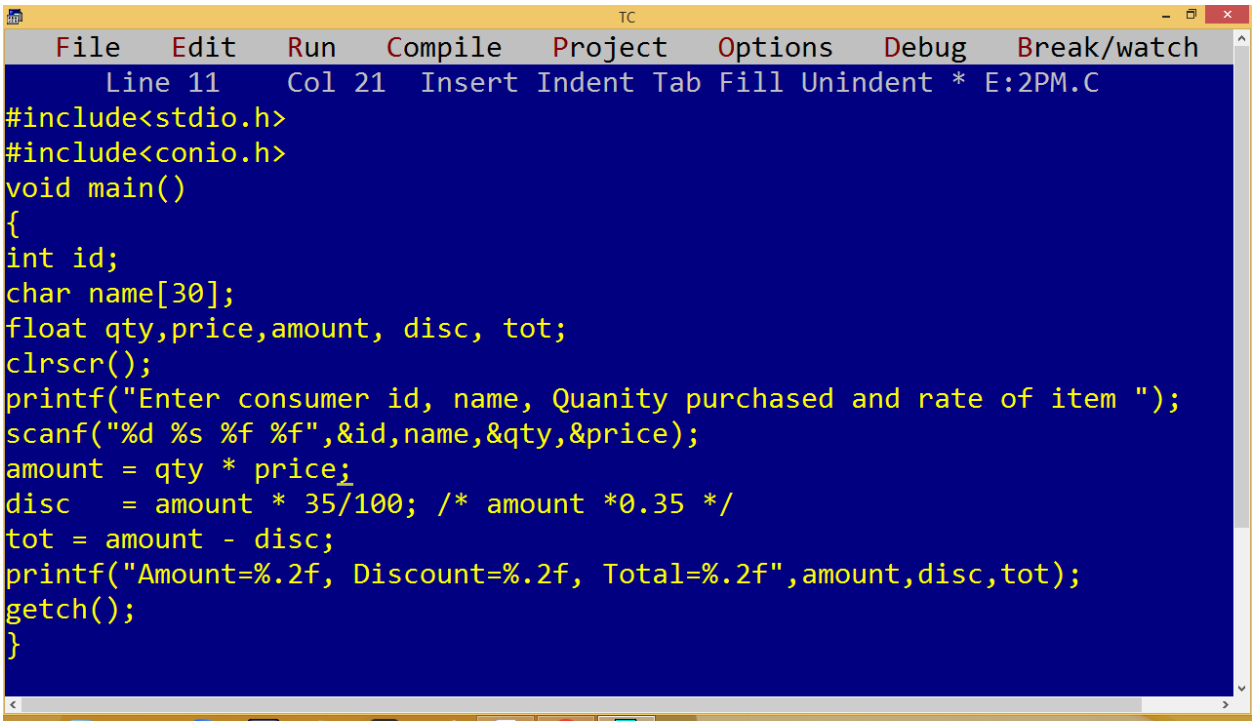
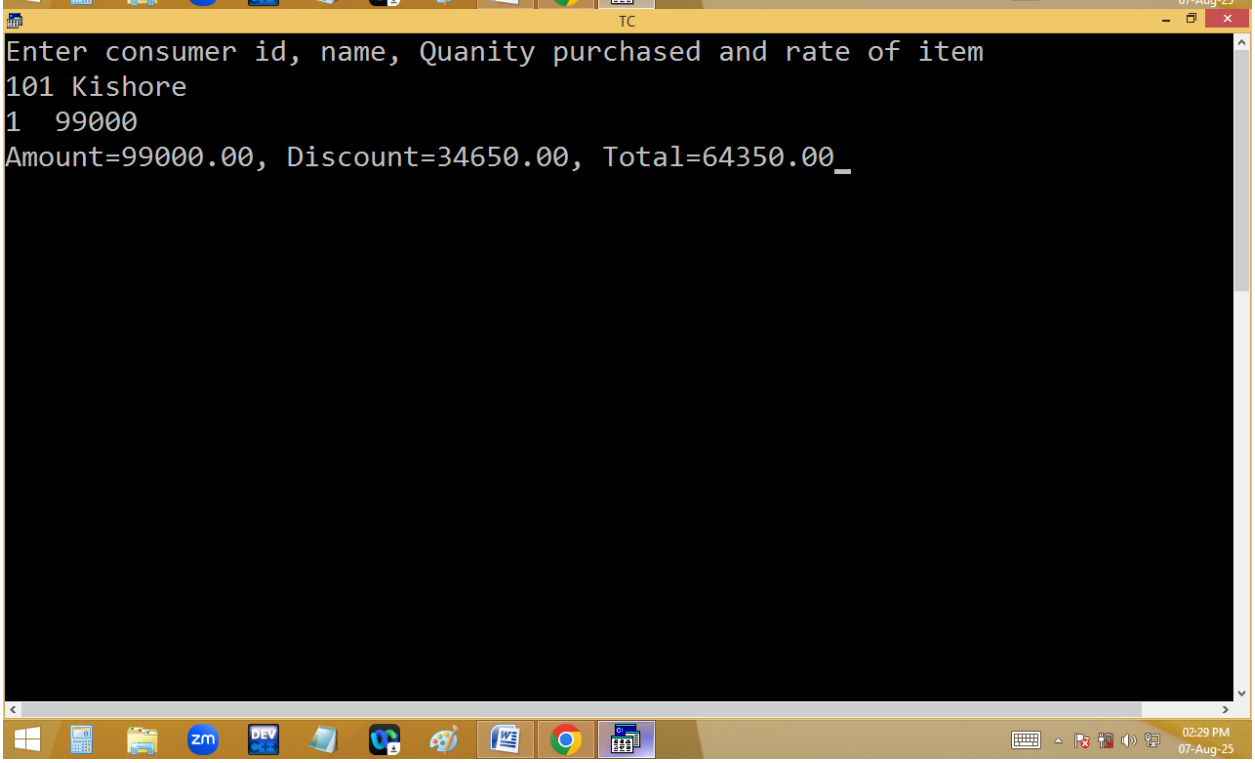
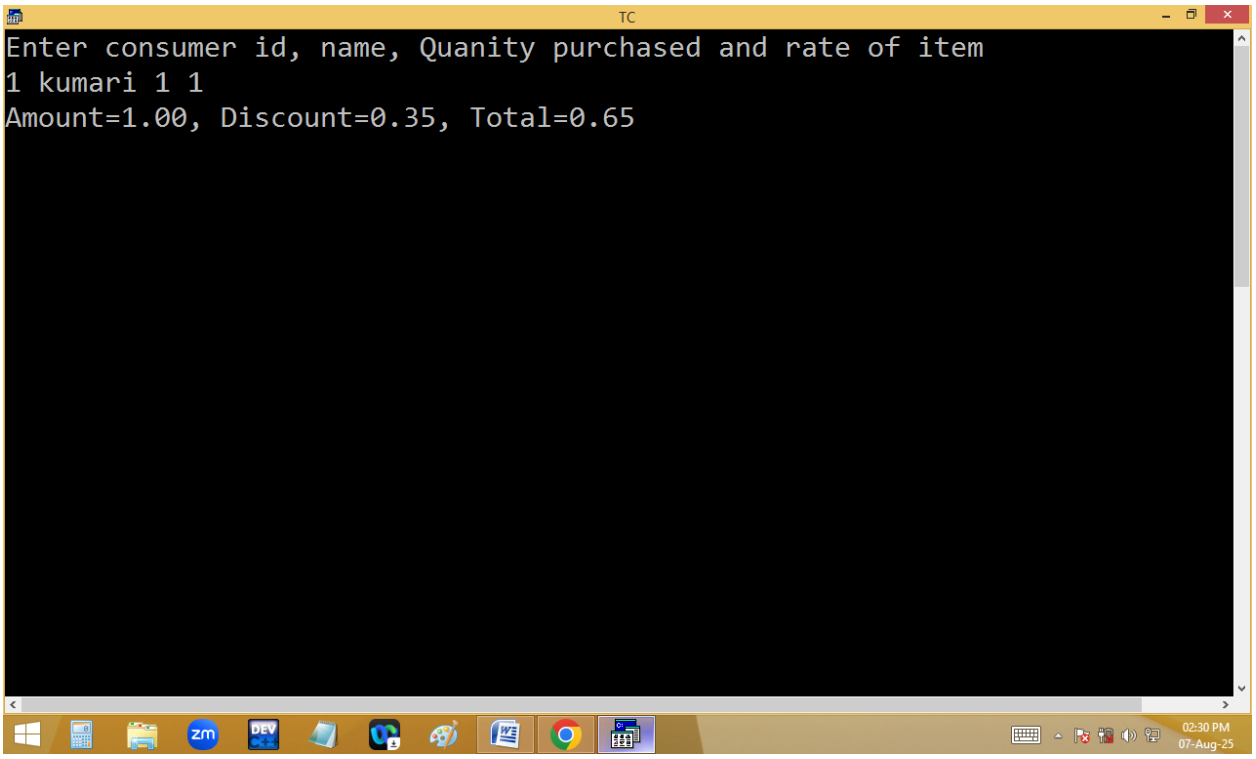
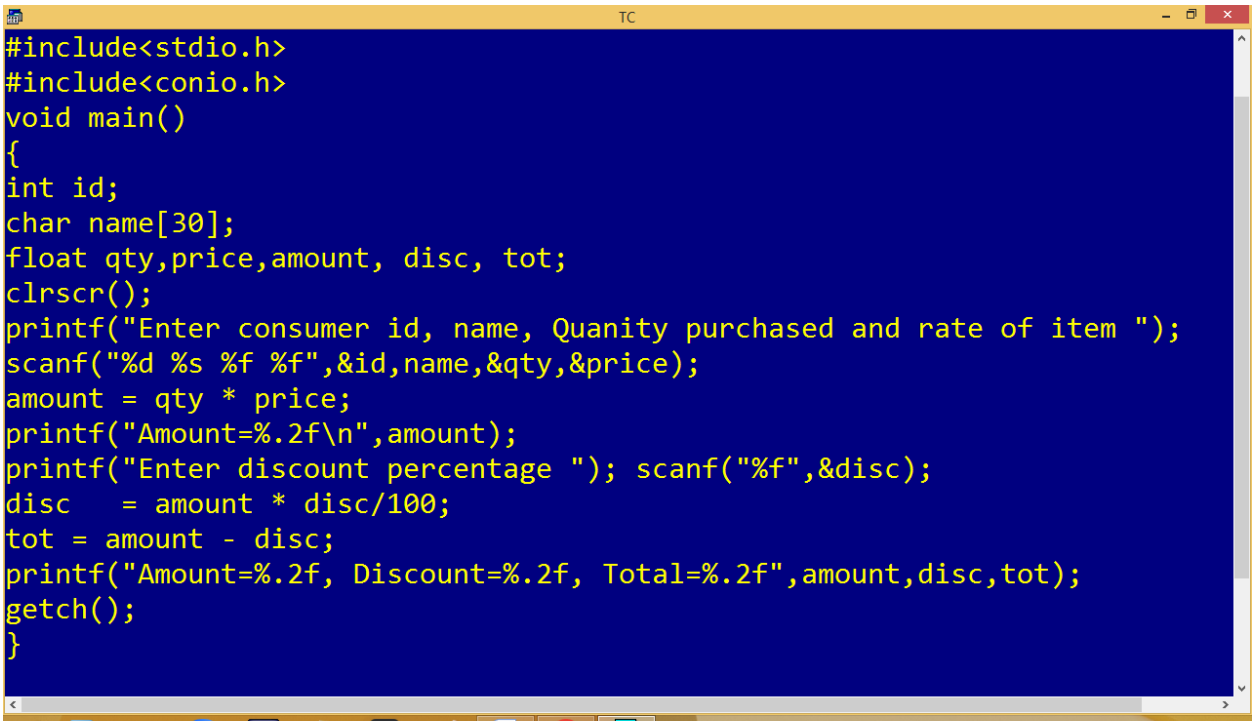
Read a customer id, name, no of items purchased and rate of item. Find the amount, 35% discount and total.

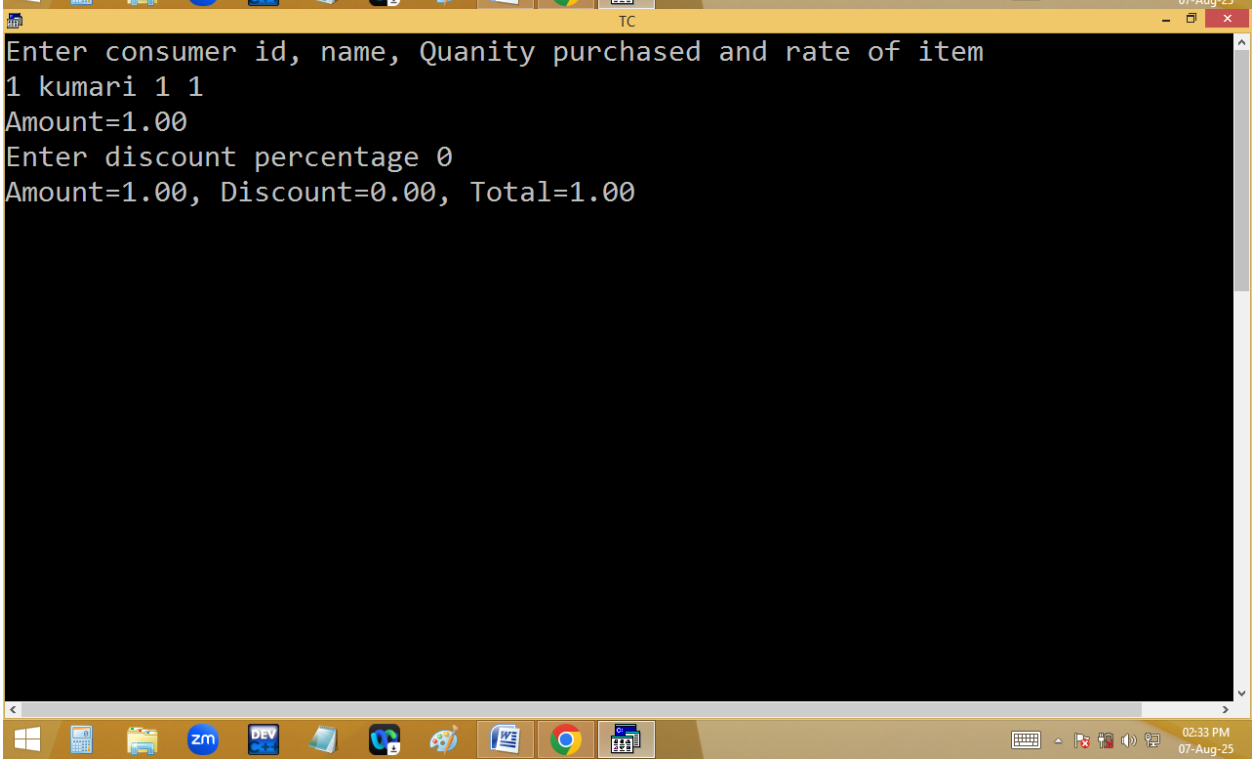

TC
File Edit Run Compile Project Options Debug Break/watch
Line 11 Col 21 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int id;
char name[30];
float qty,price,amount, disc, tot;
clrscr();
printf("Enter consumer id, name, Quanity purchased and rate of item ");
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();
}

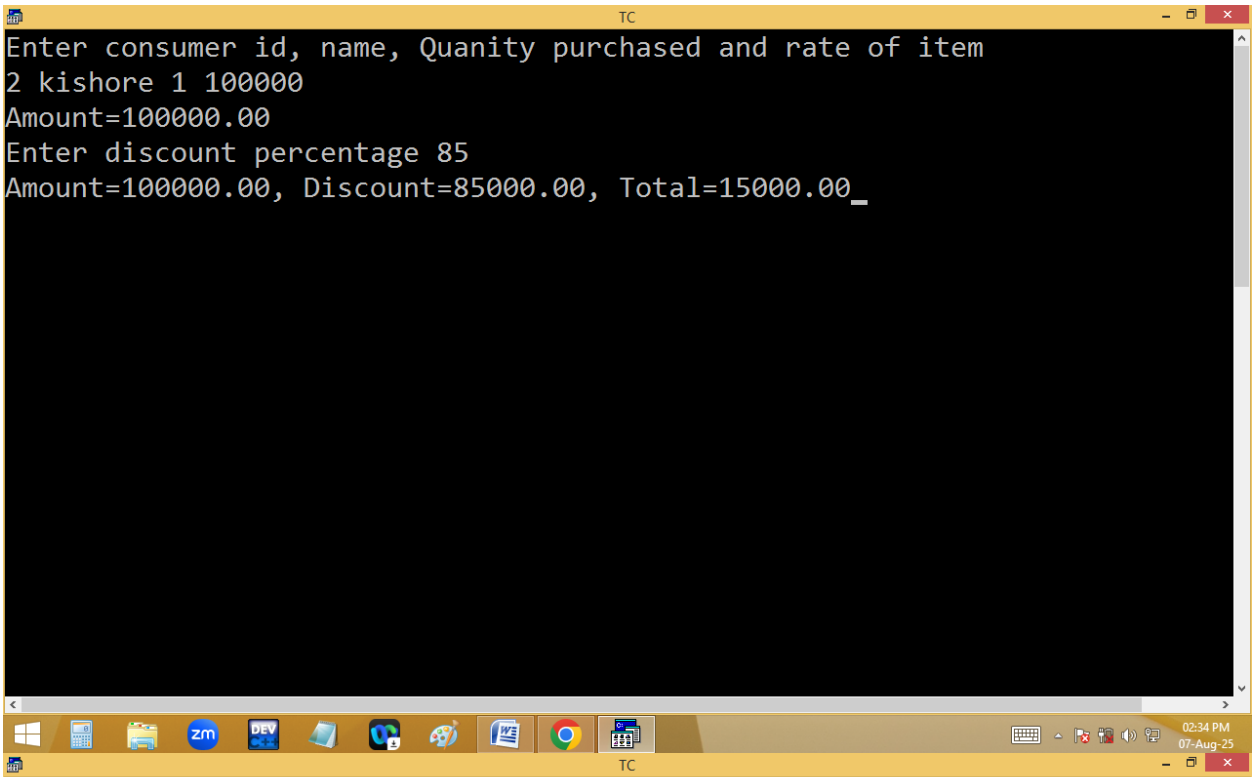

TC
Enter consumer id, name, Quanity purchased and rate of item
101 Kishore
1 99000
Amount=99000.00, Discount=34650.00, Total=64350.00

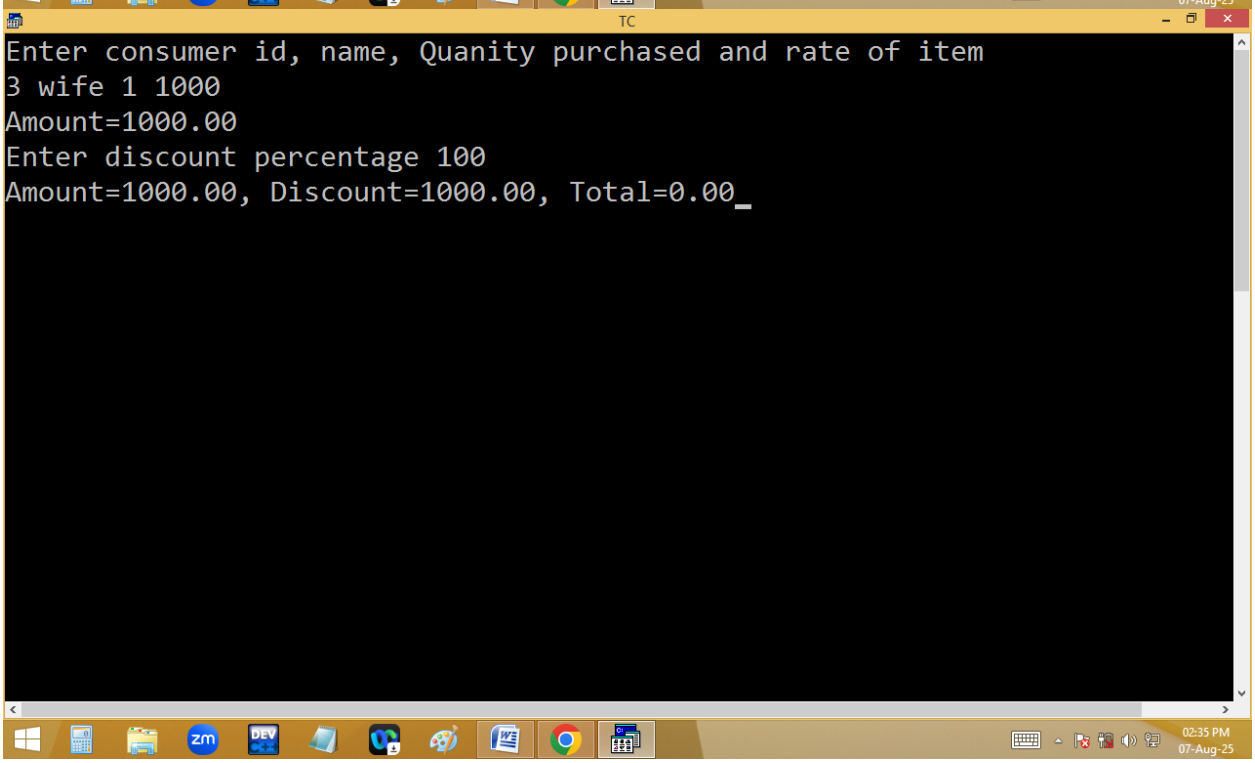


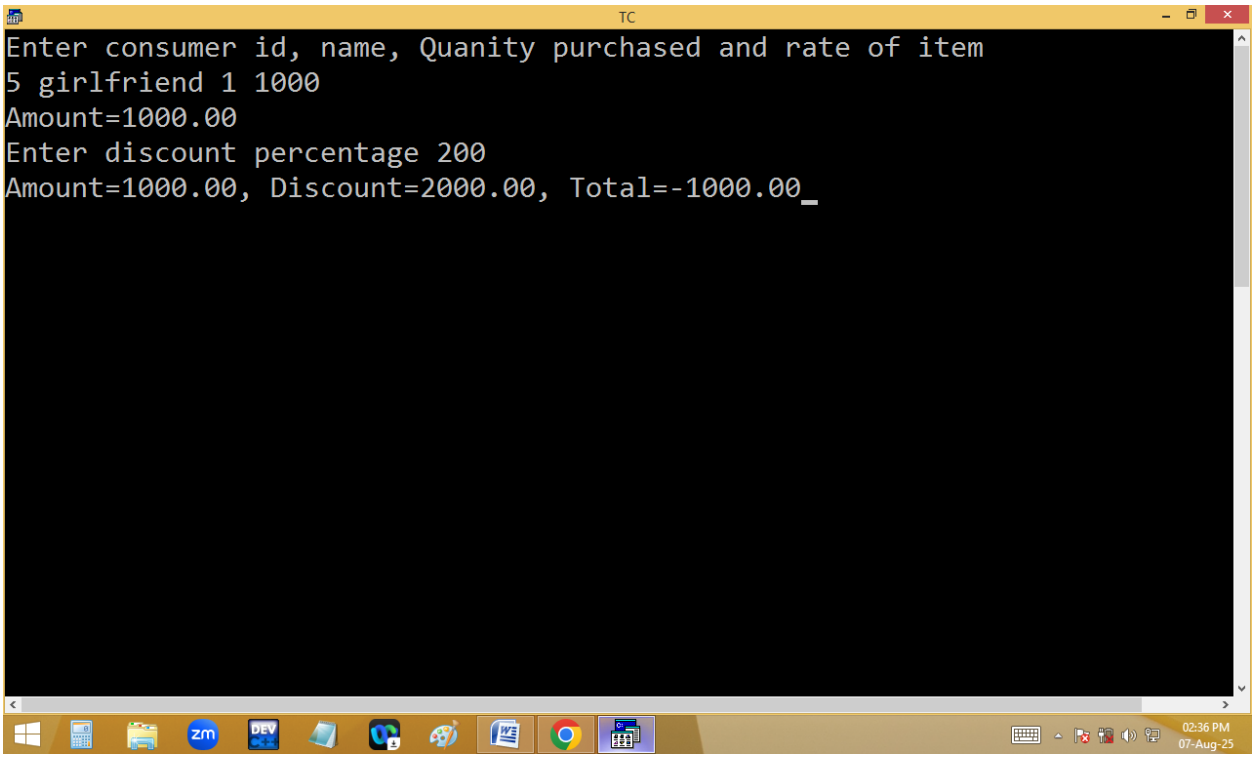
Dynamic[runtime] discount:


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, Quanity 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();
}


TC
Enter consumer id, name, Quanity 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
Enter consumer id, name, Quanity 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
02:34 PM
07-Aug-25


TC
Enter consumer id, name, Quanity 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
02:35 PM
07-Aug-25



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.

control statements

unconditional branching:

1. goto label
2. break
3. continue
4. return
5. exit() // function

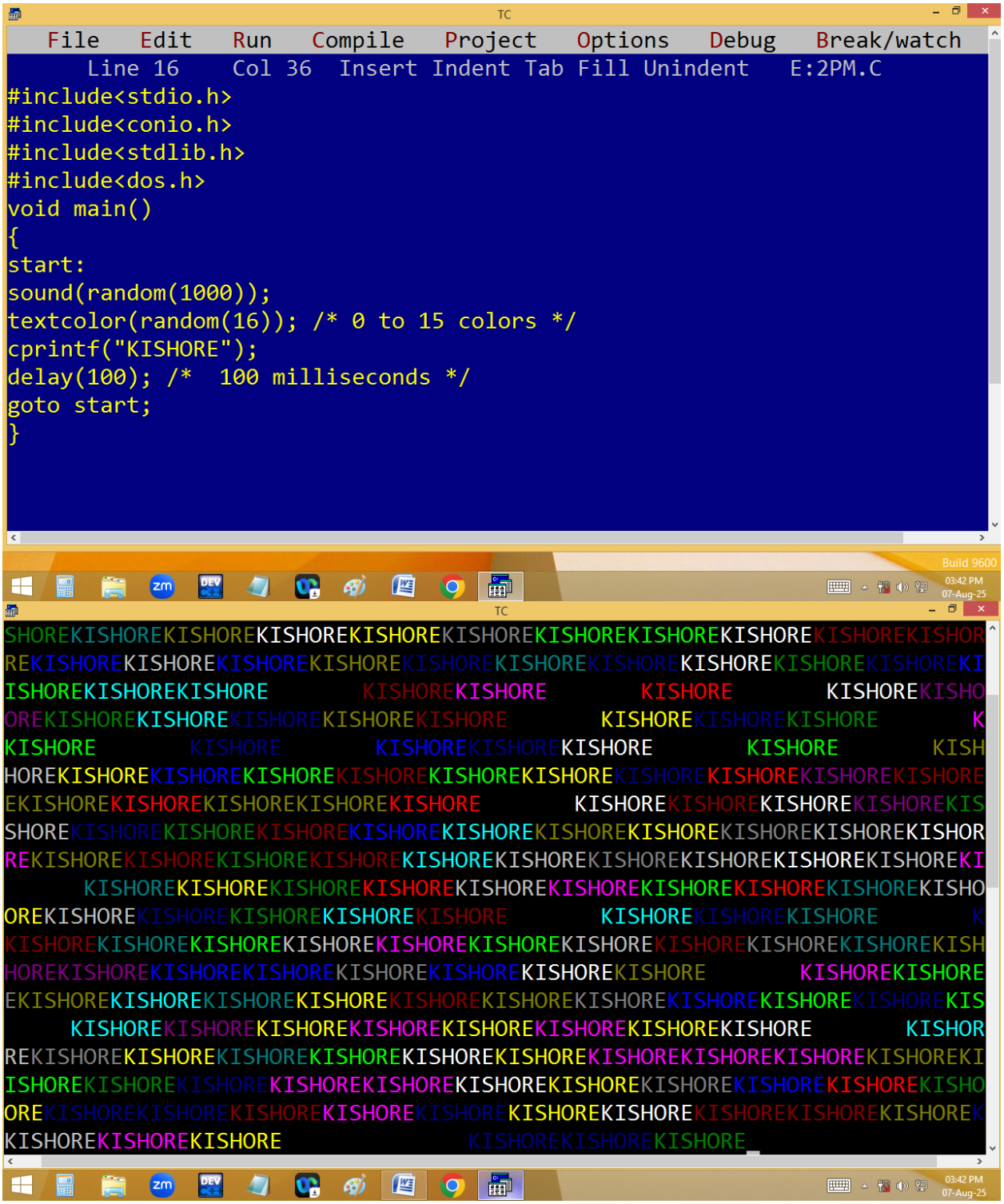
conditional branching:

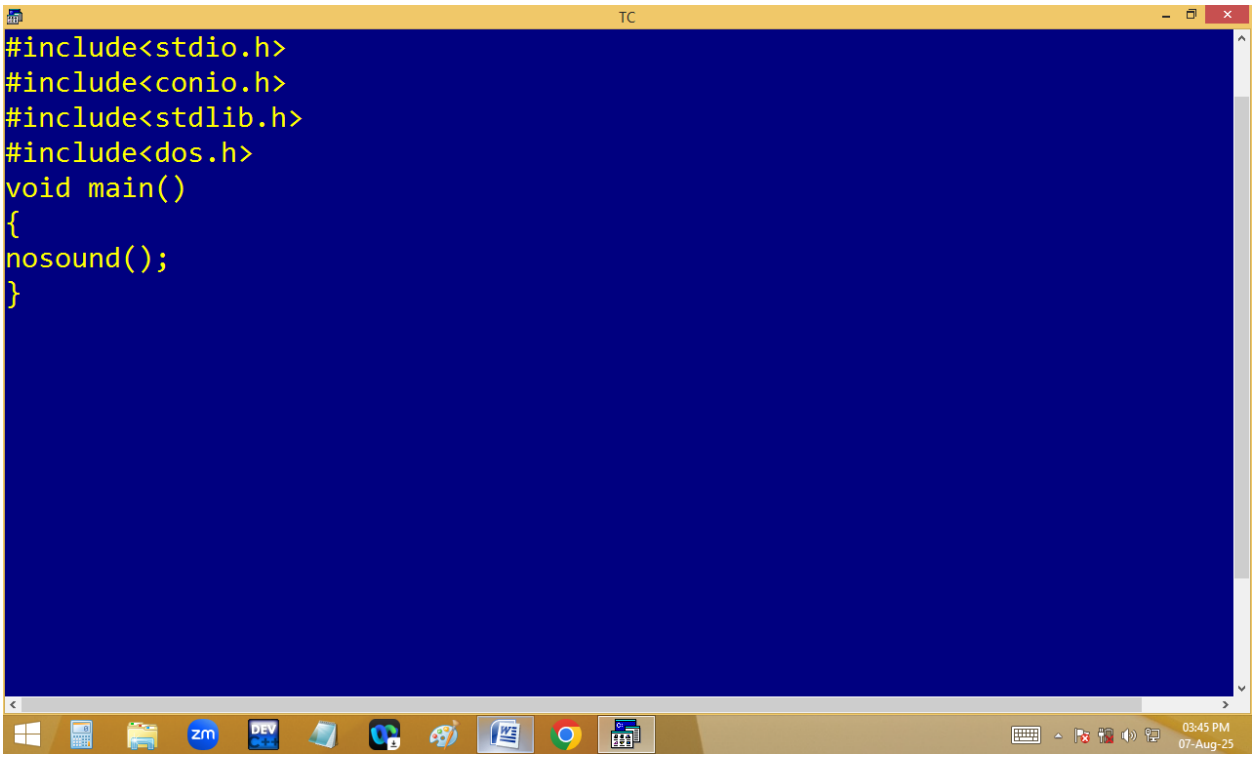
1. if
   a. simple if
   b. if..else
   c. if..else if / ladder if
   d. nested if
2. switch

loops / iterations:

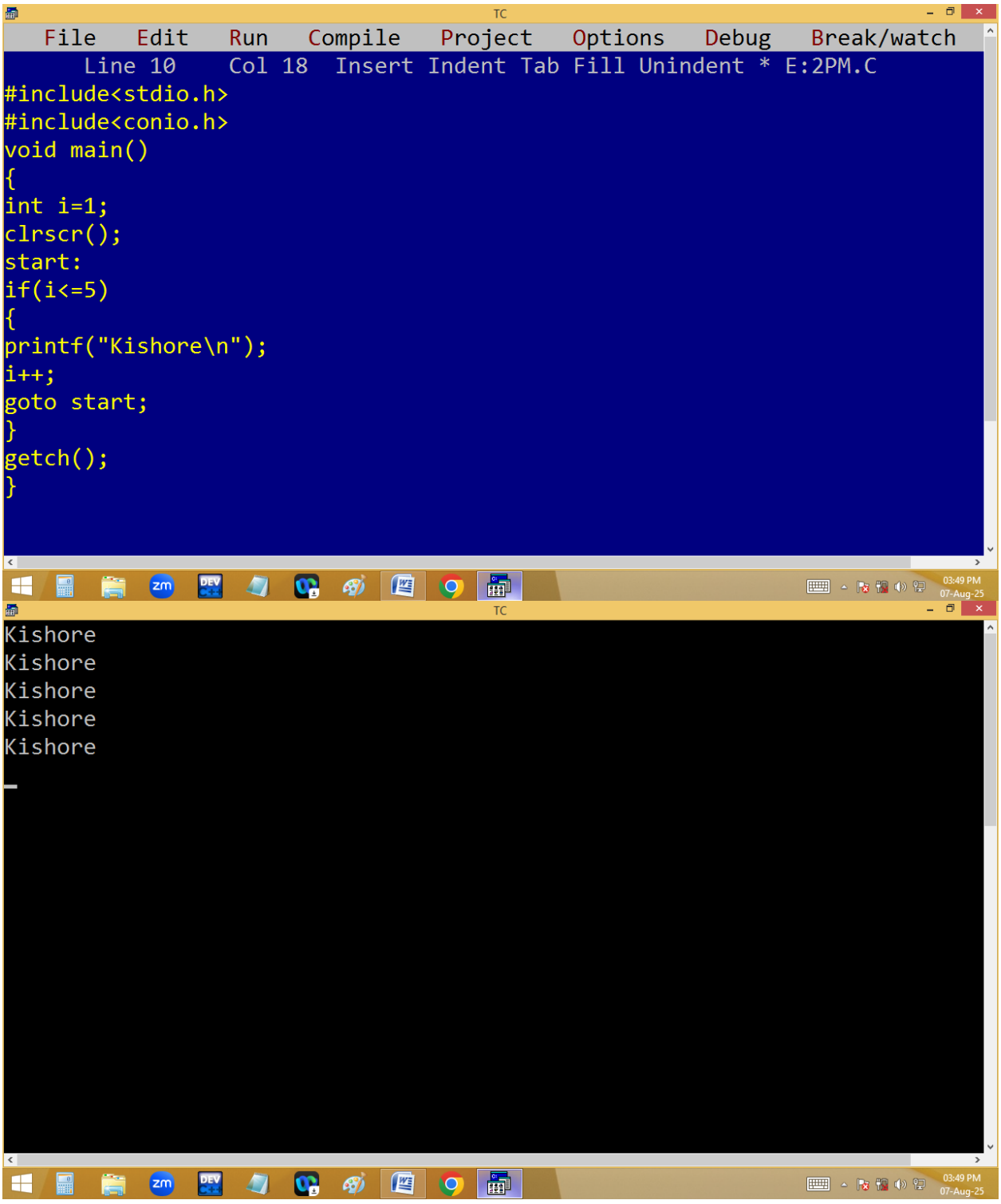
1. entry/pre controlled
   eg: while, for
2. exit/post controlled
   eg: do...while

goto label:


TC
File Edit Run Compile Project Options Debug Break/watch
Line 16 Col 36 Insert Indent Tab Fill Unindent E:2PM.C
#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;
}
TC



Printing kishore 5 times:


TC
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();
}
03:49 PM
07-Aug-25
TC
Kishore
Kishore
Kishore
Kishore
Kishore
03:49 PM
07-Aug-25