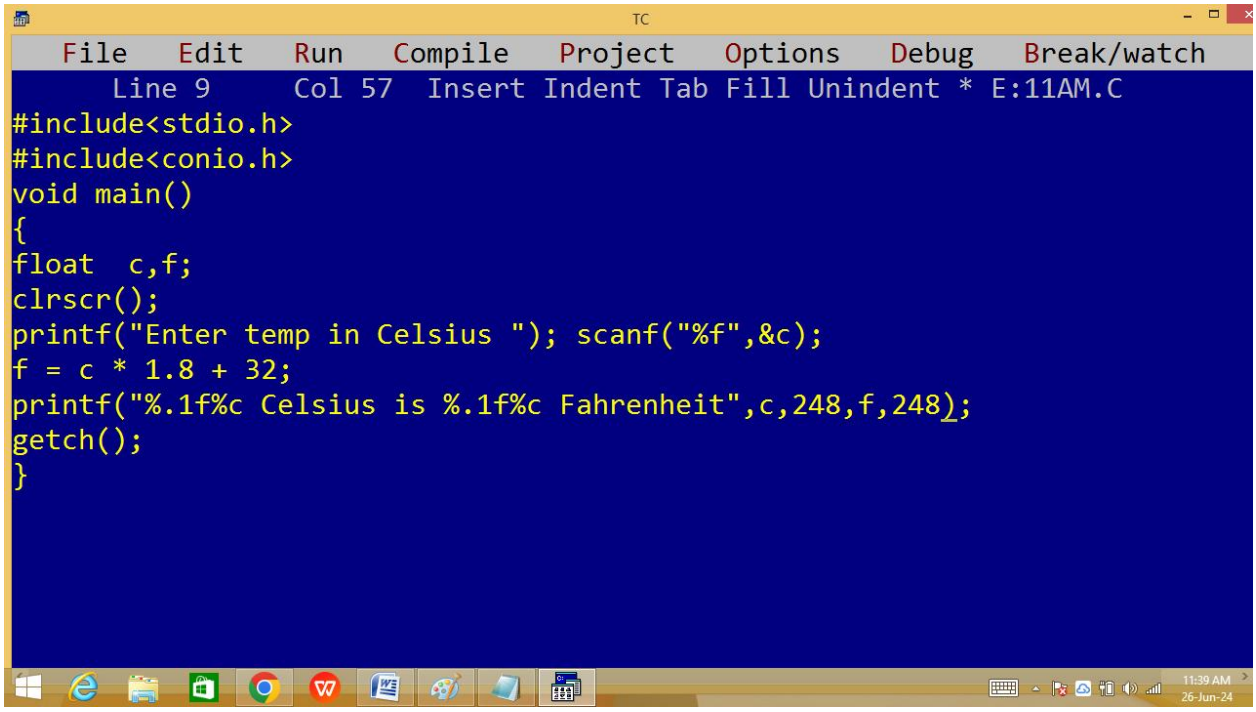
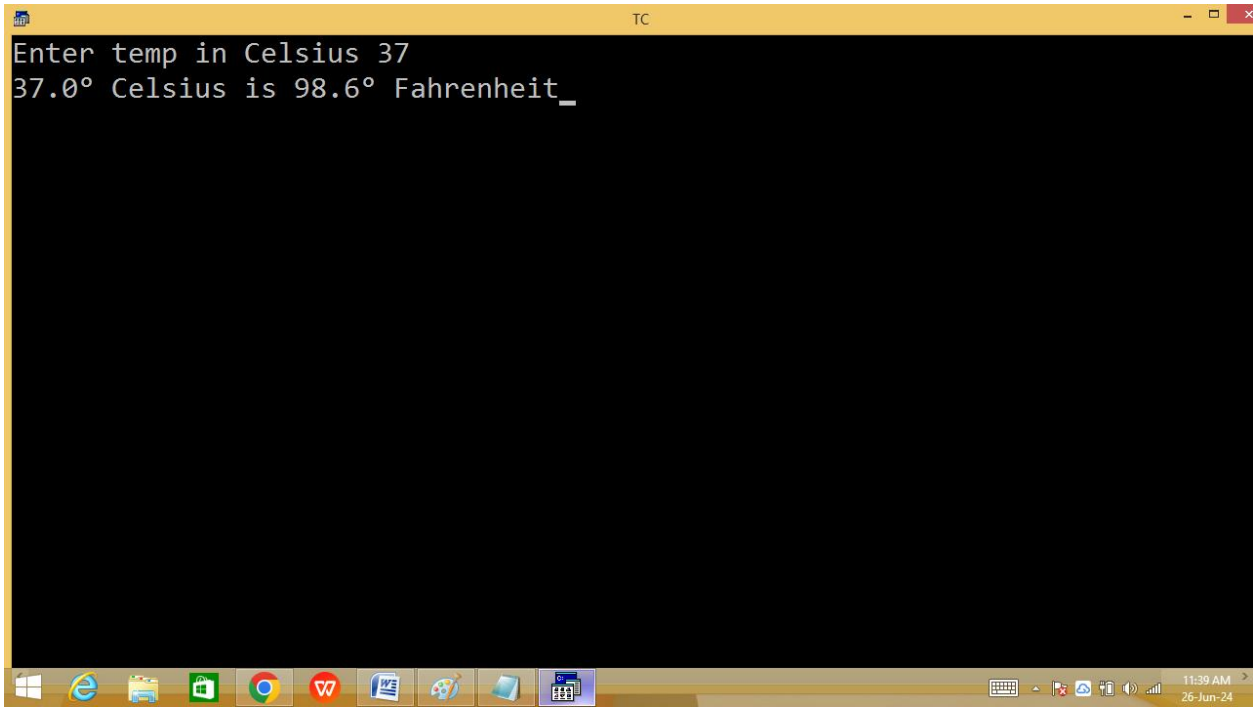
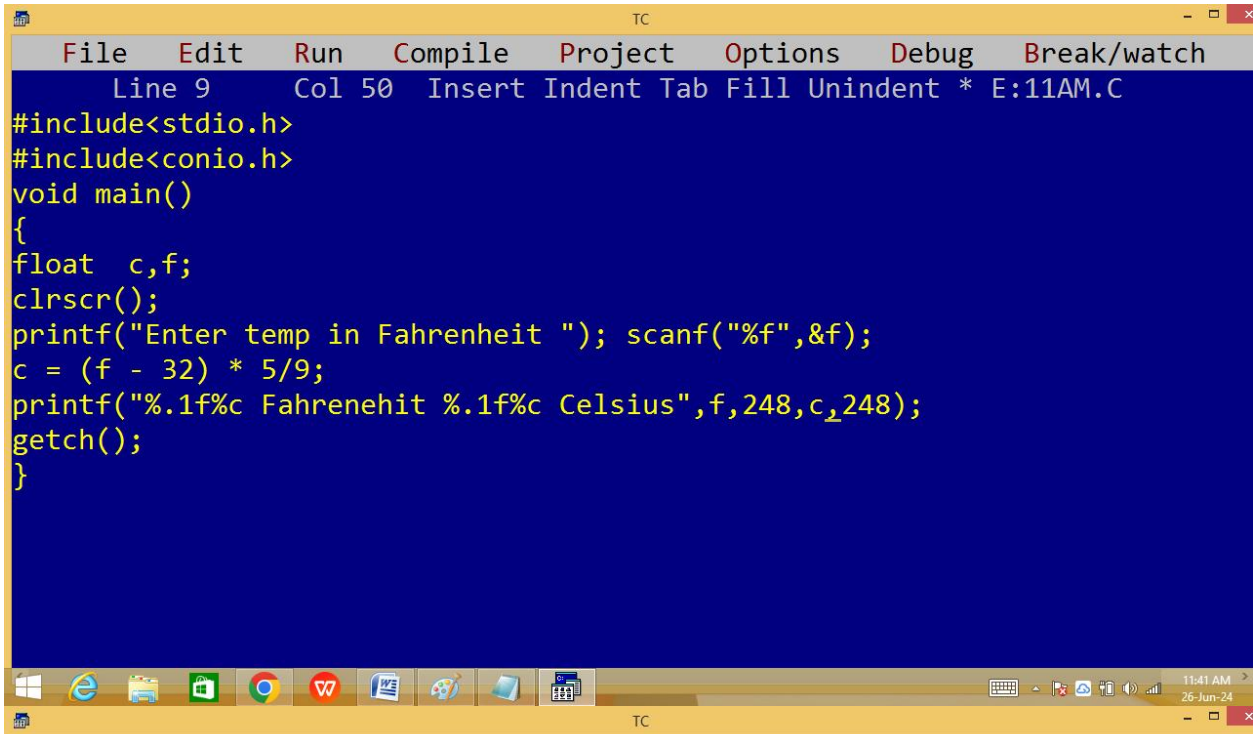
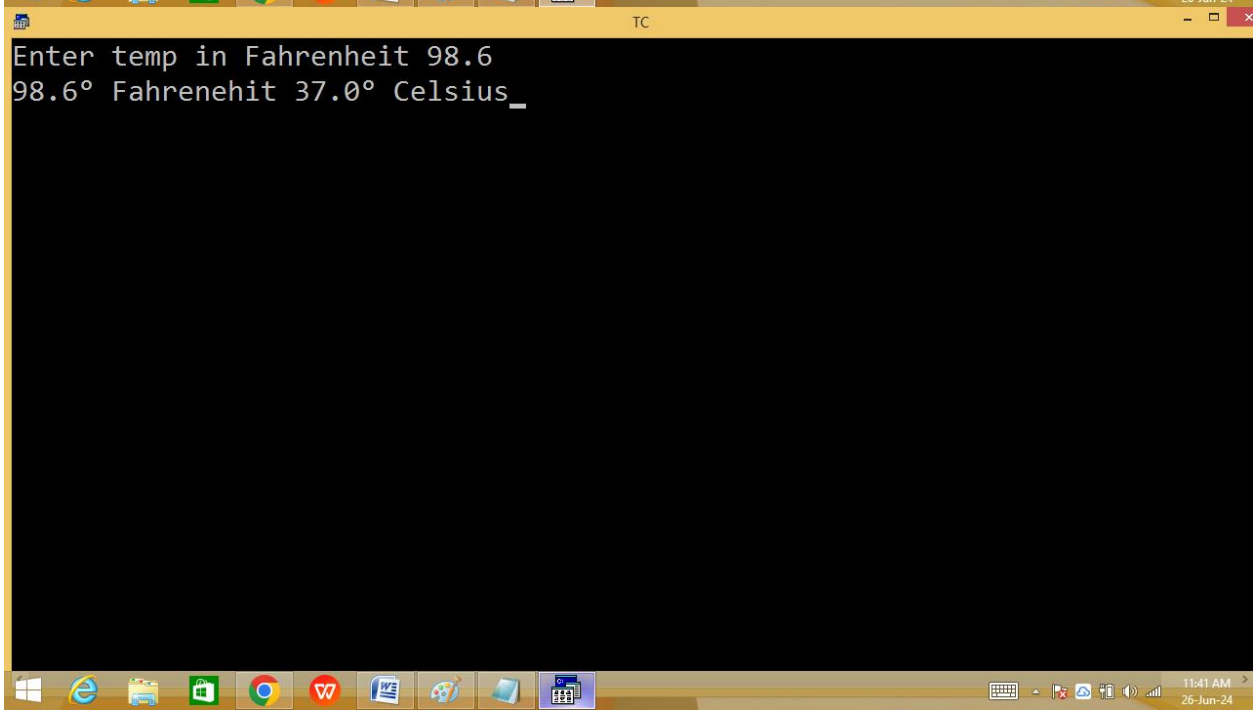
Celsius to Fahrenheit:

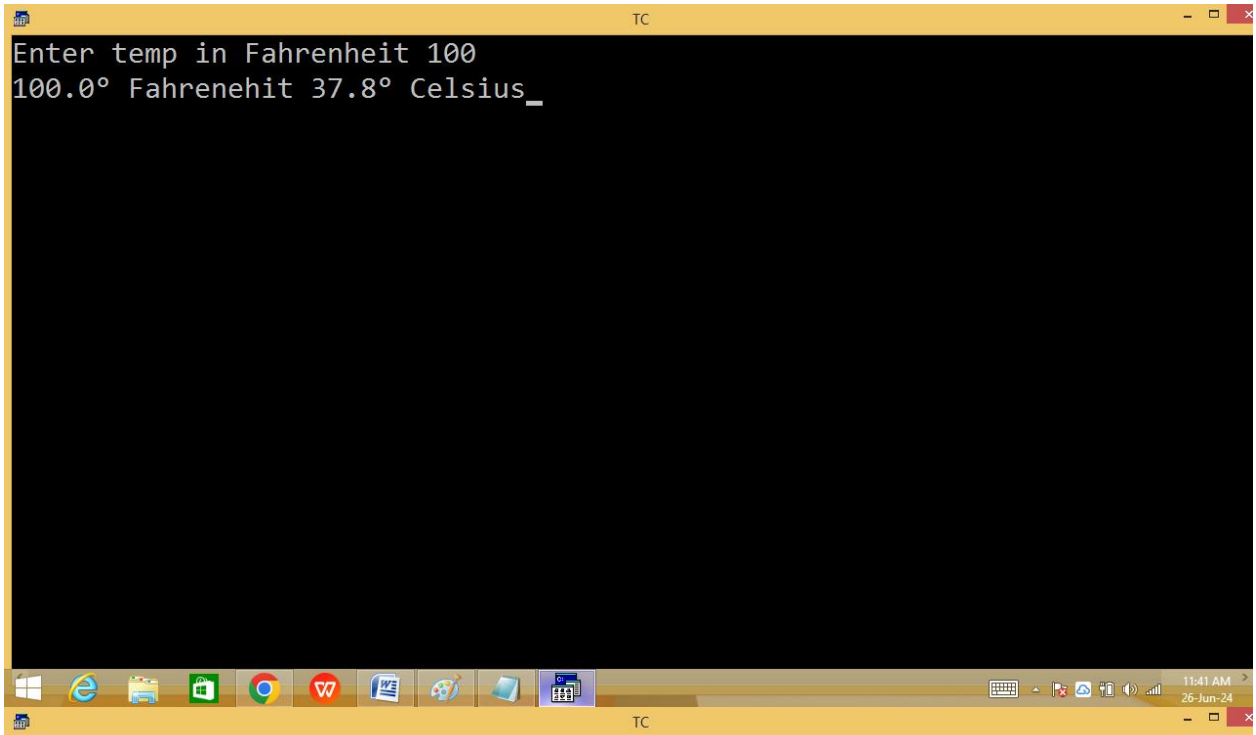


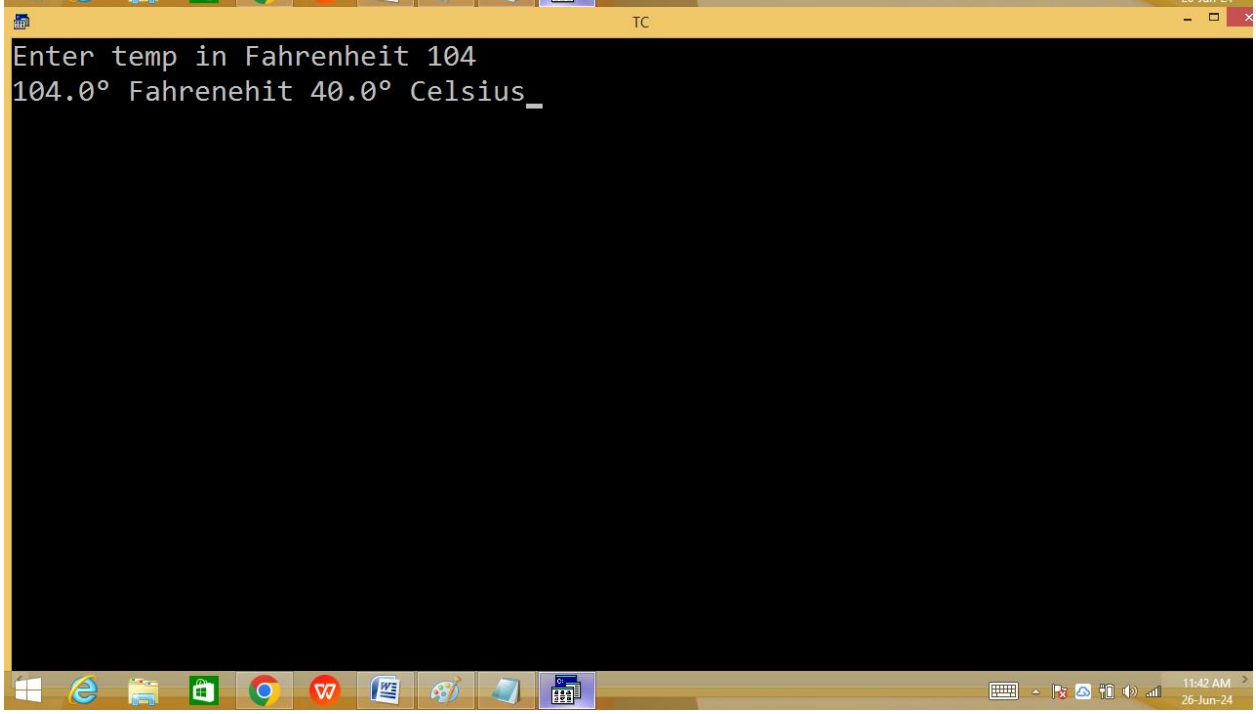


Fahrenheit to Celsius:



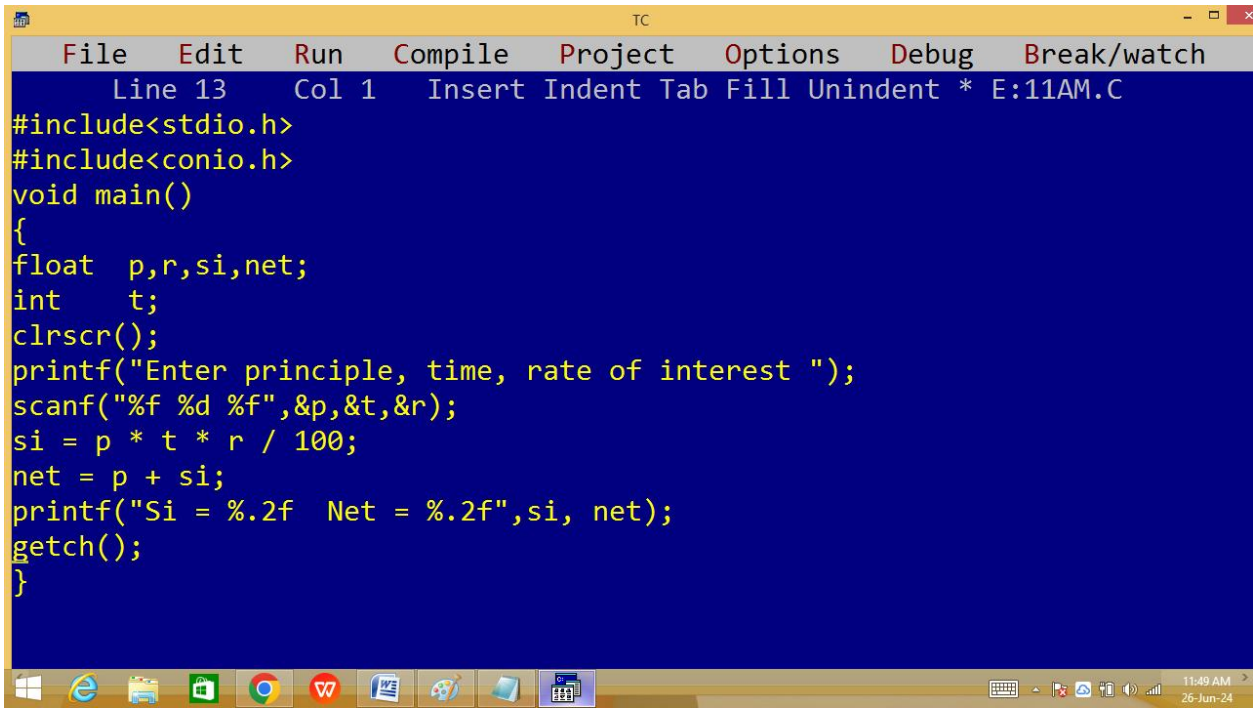


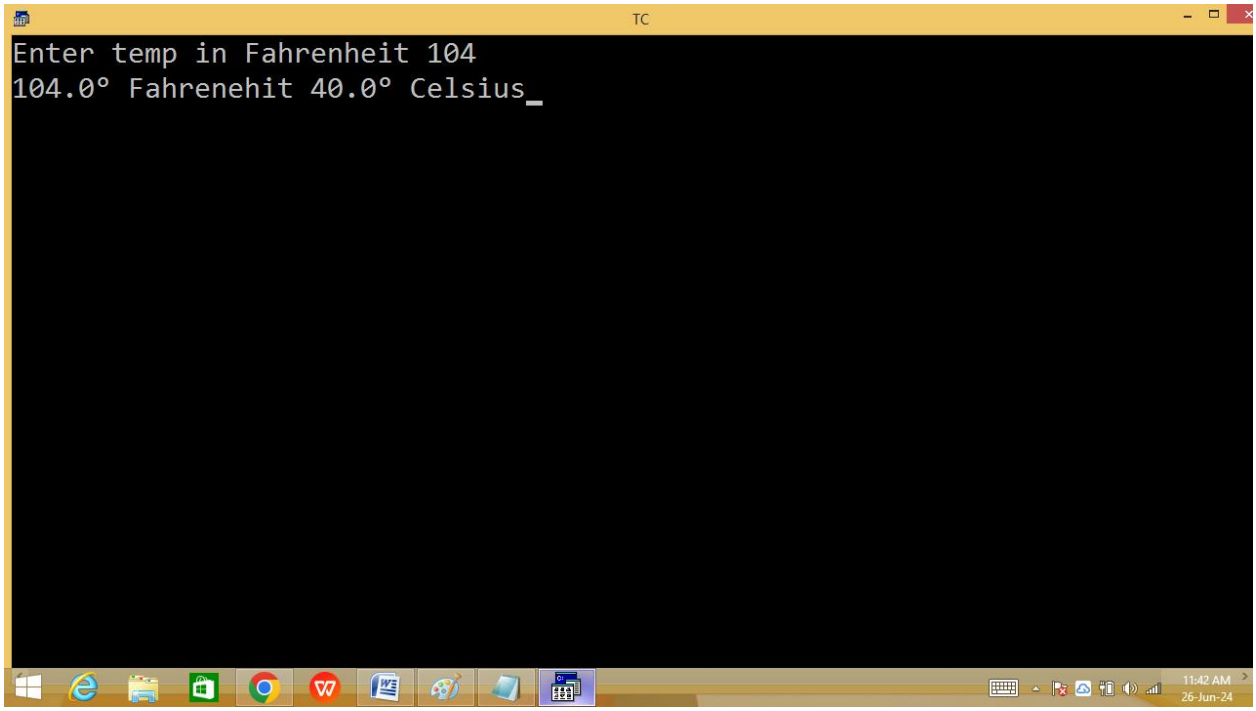

TC
Enter temp in Fahrenheit 100
100.0° Fahrenehit 37.8° Celsius
11:41 AM
26-Jun-24


TC
Enter temp in Fahrenheit 104
104.0° Fahrenehit 40.0° Celsius
11:42 AM
26-Jun-24

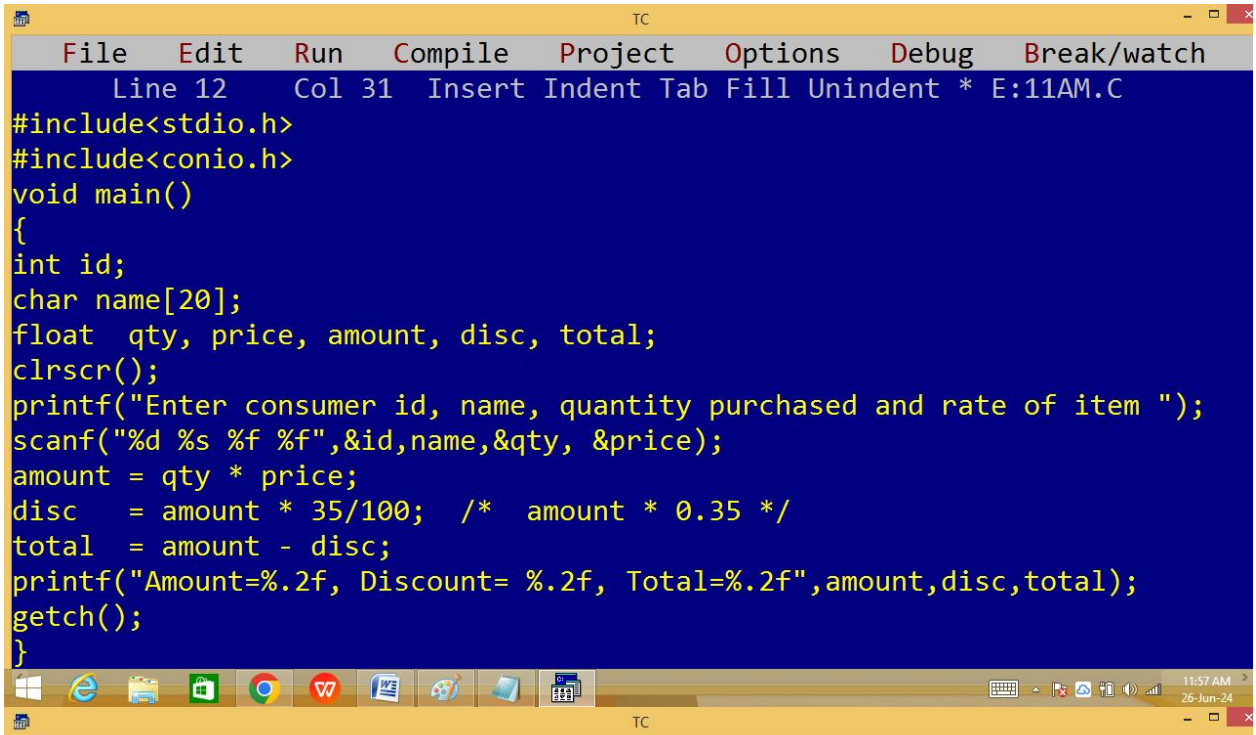
Finding simple interest:

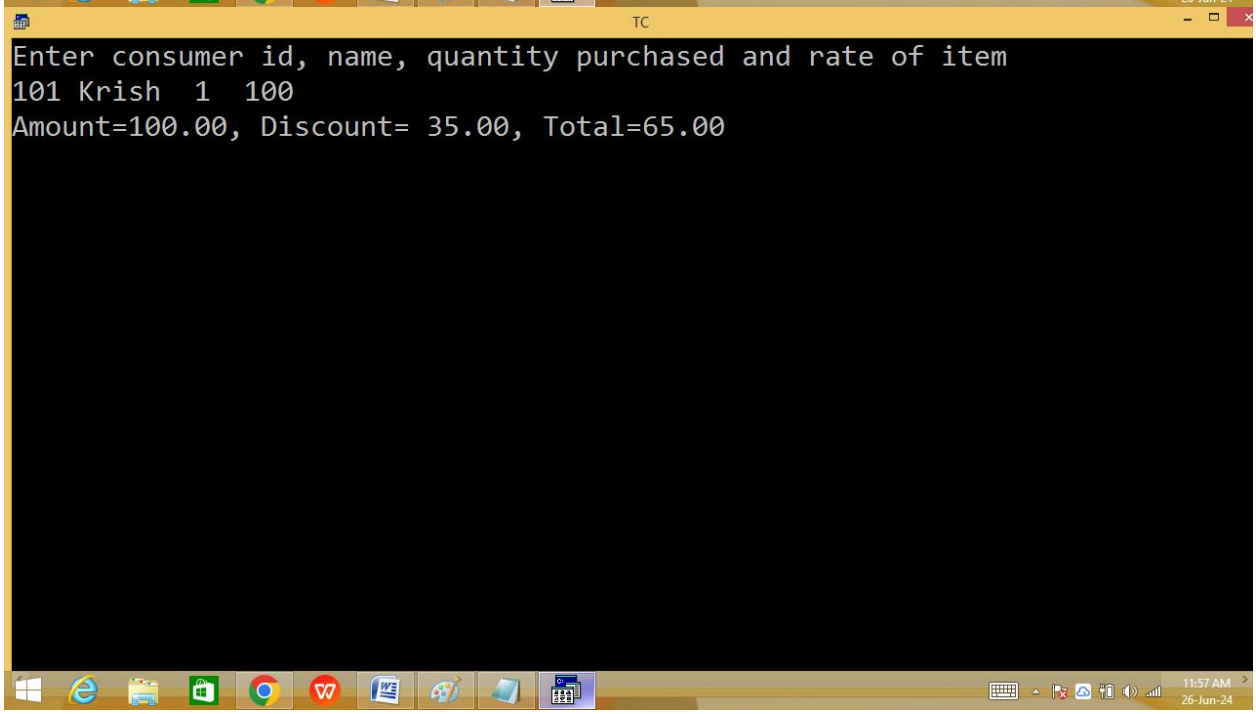
P*t*r/100;

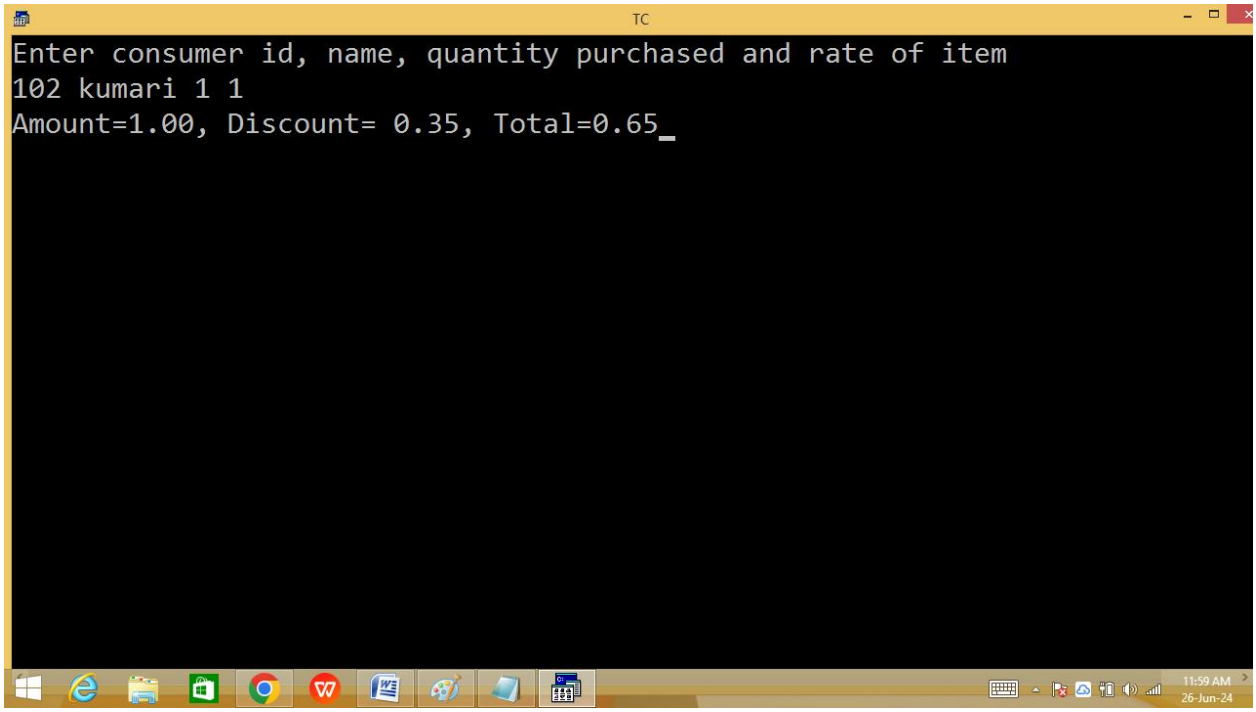




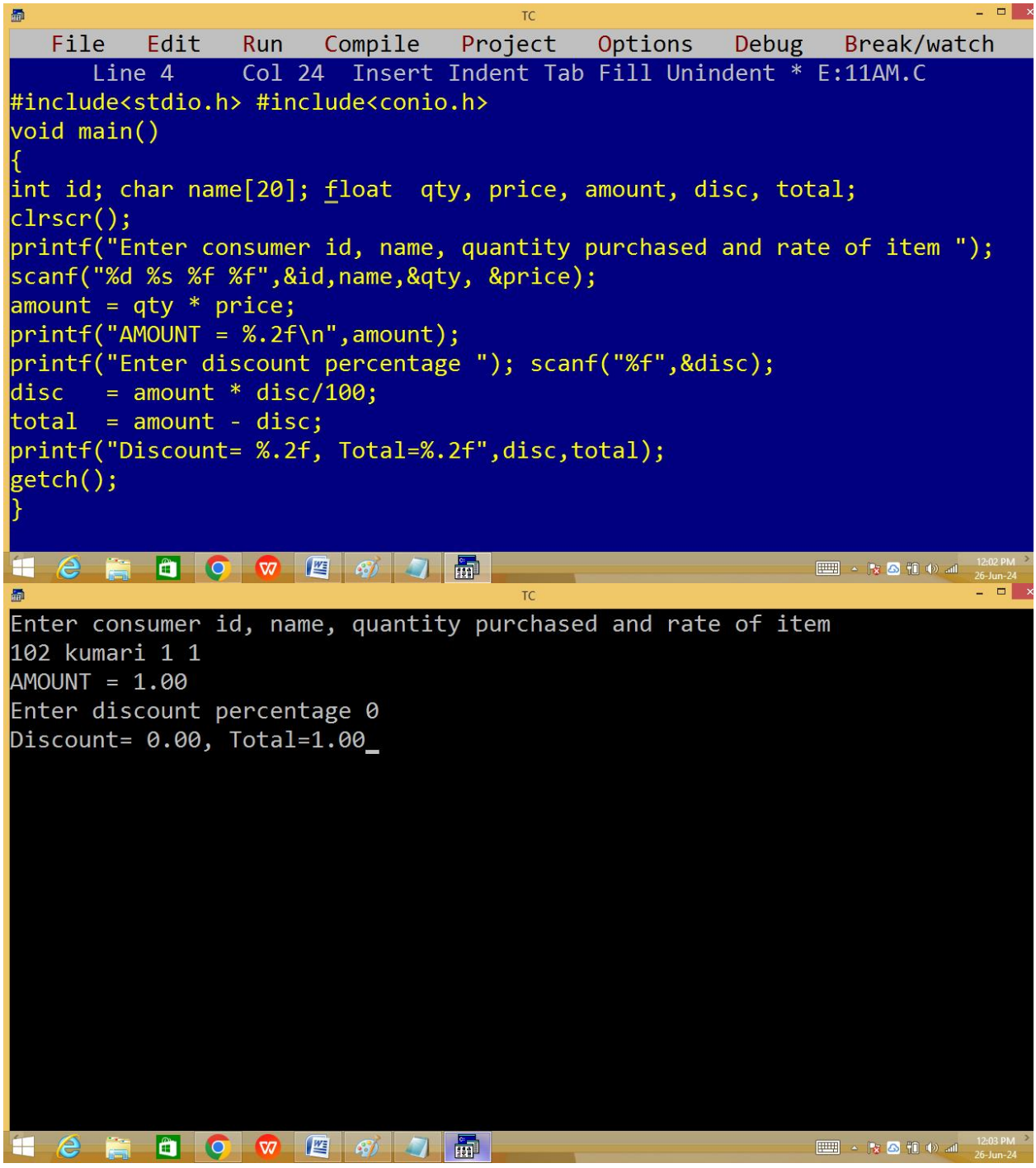
Read a customer id, name, quantity purchased and rate of item. Find the amount, 35% discount and total.

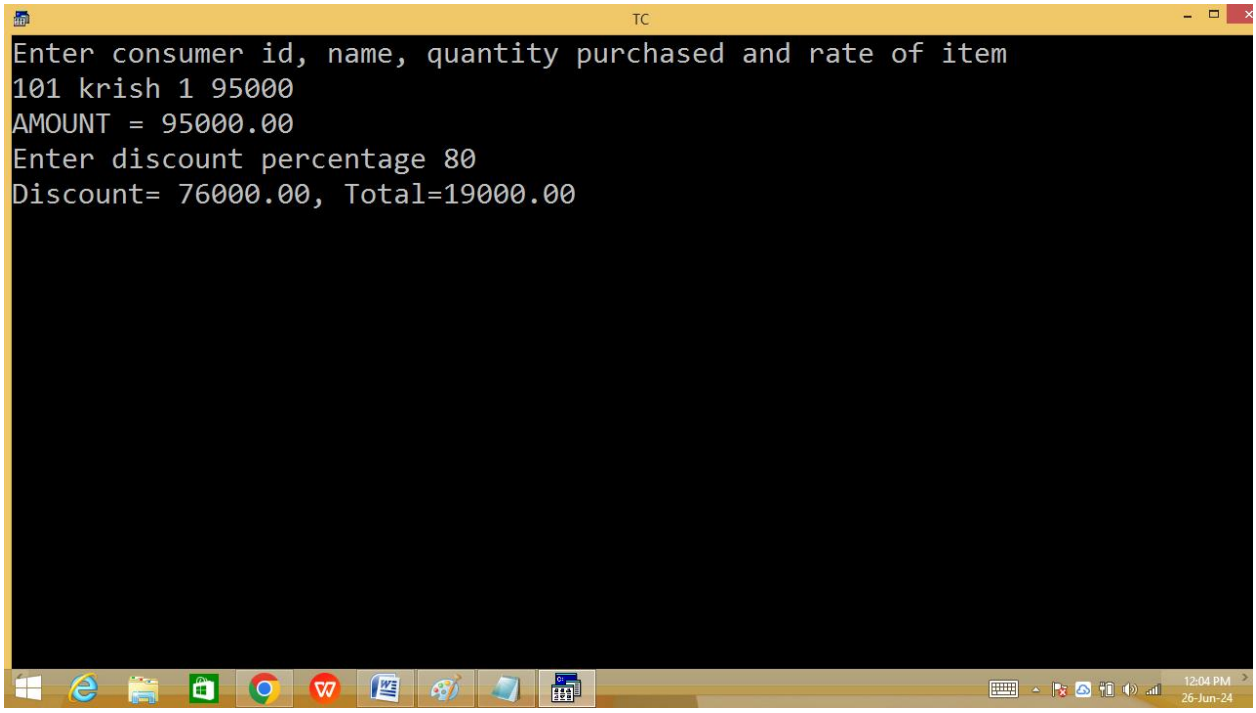

TC
File Edit Run Compile Project Options Debug Break/watch
Line 12 Col 31 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int id;
char name[20];
float qty, price, amount, disc, total;
clrscr();
printf("Enter consumer id, name, quantity purchased and rate of item ");
scanf("%d %s %f %f",&id,name,&qty, &price);
amount = qty * price;
disc = amount * 35/100; /* amount * 0.35 */
total = amount - disc;
printf("Amount=%.2f, Discount= %.2f, Total=%.2f",amount,disc,total);
getch();
}

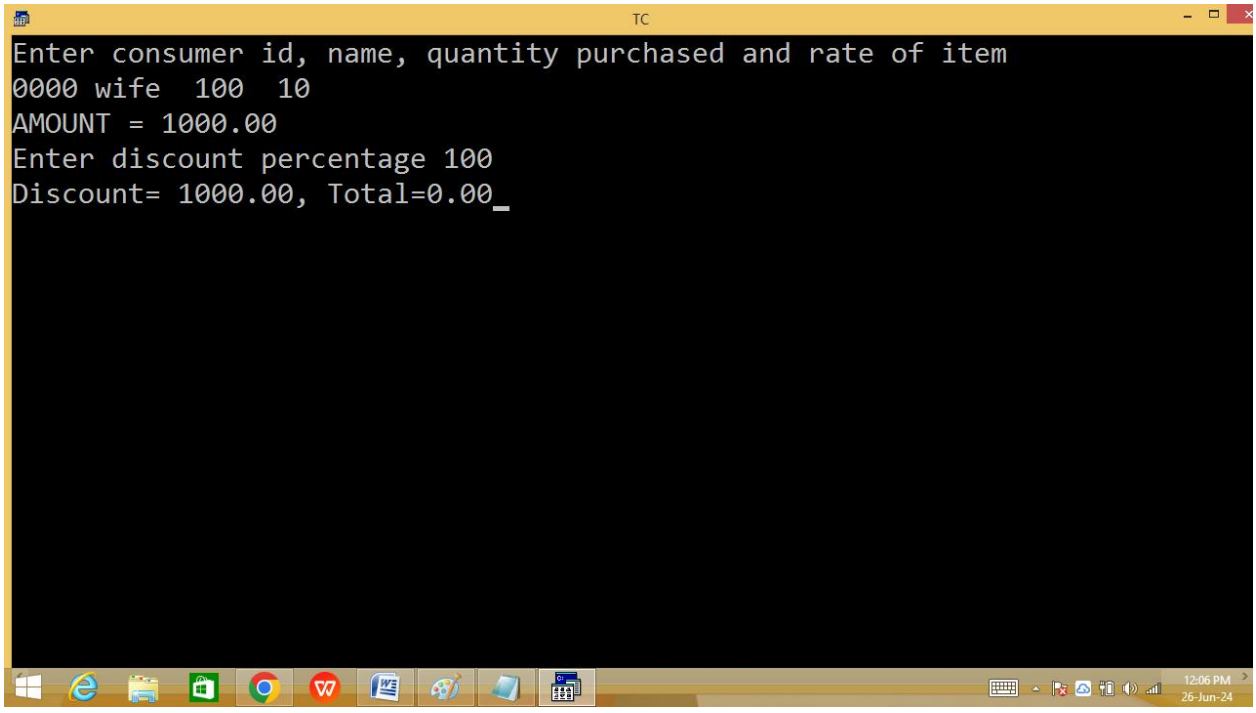

TC
Enter consumer id, name, quantity purchased and rate of item
101 Krish 1 100
Amount=100.00, Discount= 35.00, Total=65.00



Dynamic discount [runtime / instant]:

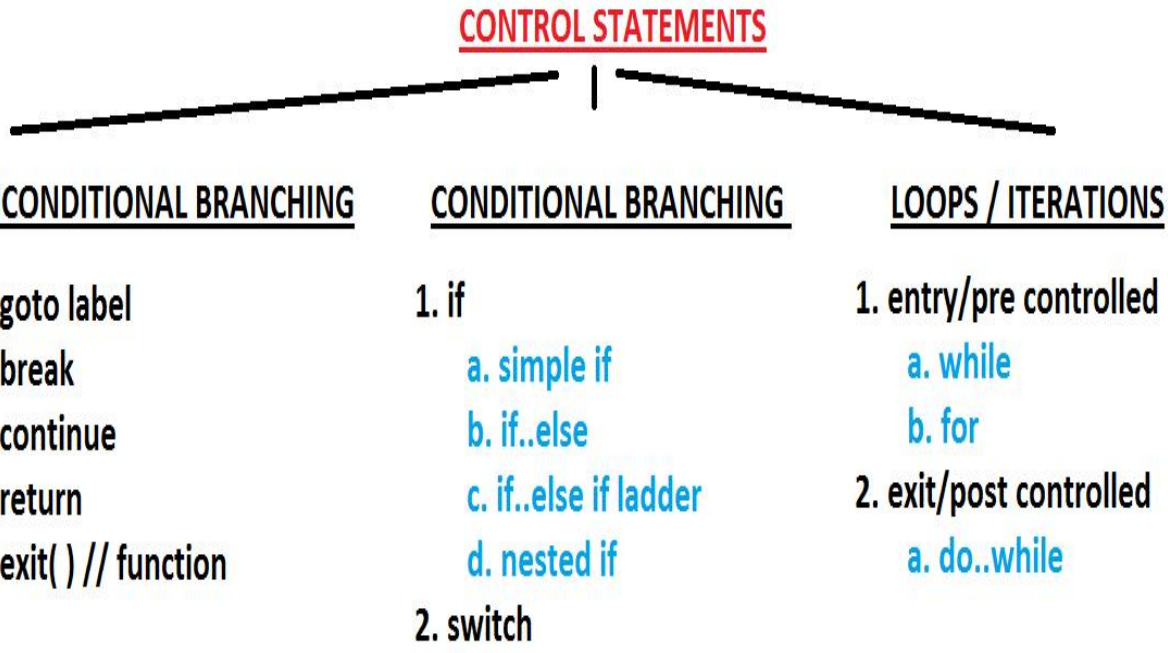

TC
File Edit Run Compile Project Options Debug Break/watch
Line 4 Col 24 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h> #include<conio.h>
void main()
{
int id; char name[20]; float qty, price, amount, disc, total;
clrscr();
printf("Enter consumer id, name, quantity purchased and rate of 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;
total = amount - disc;
printf("Discount= %.2f, Total=%.2f",disc,total);
getch();
}
TC
Enter consumer id, name, quantity purchased and rate of item
102 kumari 1 1
AMOUNT = 1.00
Enter discount percentage 0
Discount= 0.00, Total=1.00


TC
Enter consumer id, name, quantity purchased and rate of item
101 krish 1 95000
AMOUNT = 95000.00
Enter discount percentage 80
Discount= 76000.00, Total=19000.00
12:04 PM
26-Jun-24


TC
Enter consumer id, name, quantity purchased and rate of item
0000 wife 100 10
AMOUNT = 1000.00
Enter discount percentage 100
Discount= 1000.00, Total=0.00
12:06 PM
26-Jun-24

CONTROL STATEMENTS / CONTROL STRUCTURES

They are used to control the program execution order. In C we can control program execution order by using below 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:

Here **goto** is a keyword.

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

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

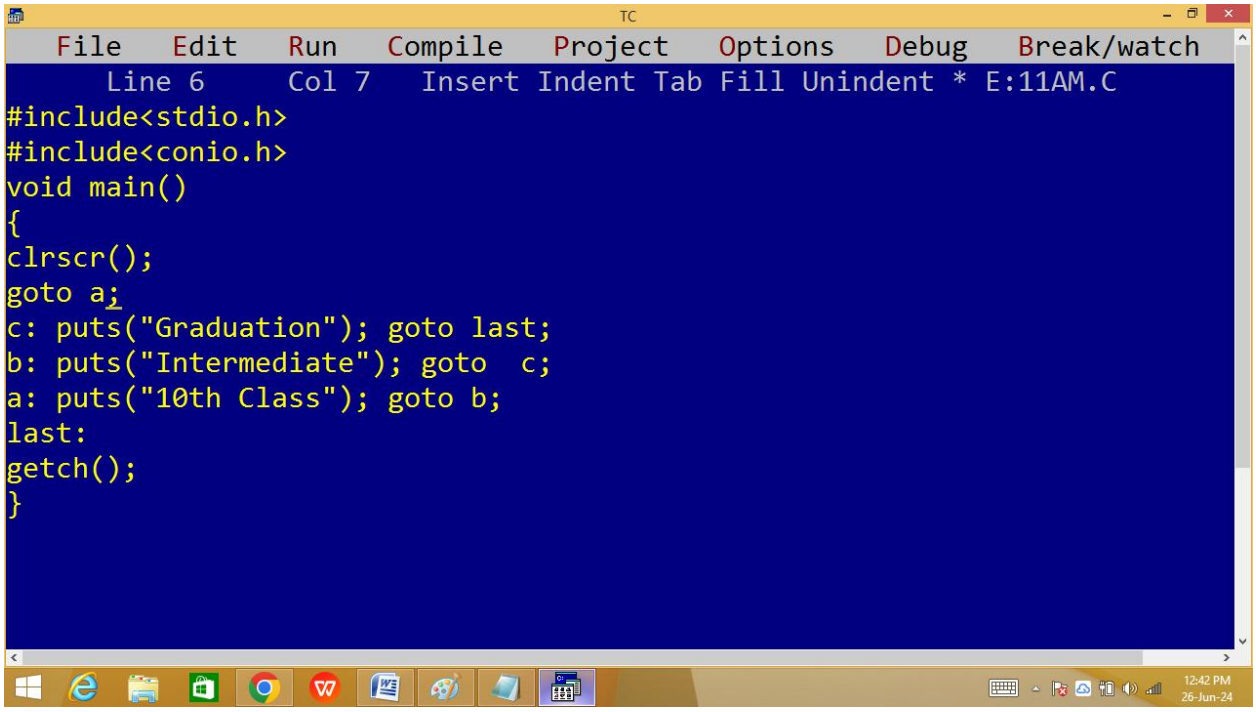
Keywords not allowed in labels i.e. label should be user defined.

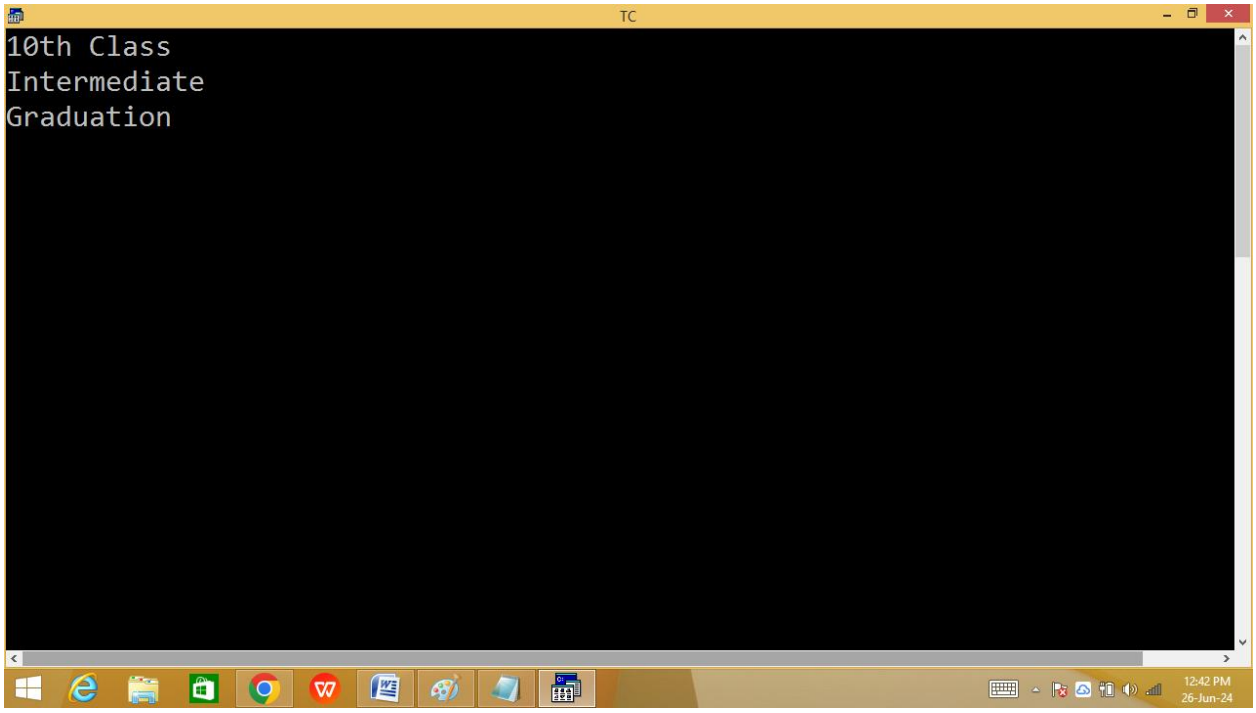
Duplicate labels not allowed.

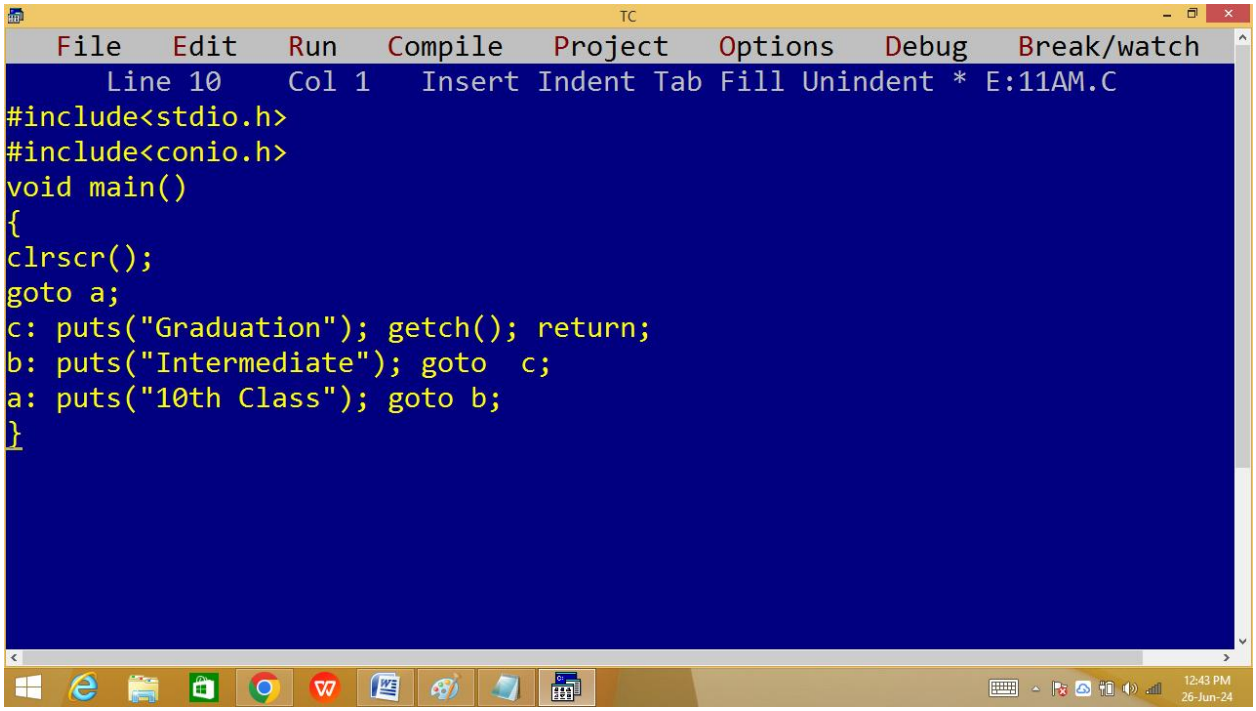
There is no space between go and to.

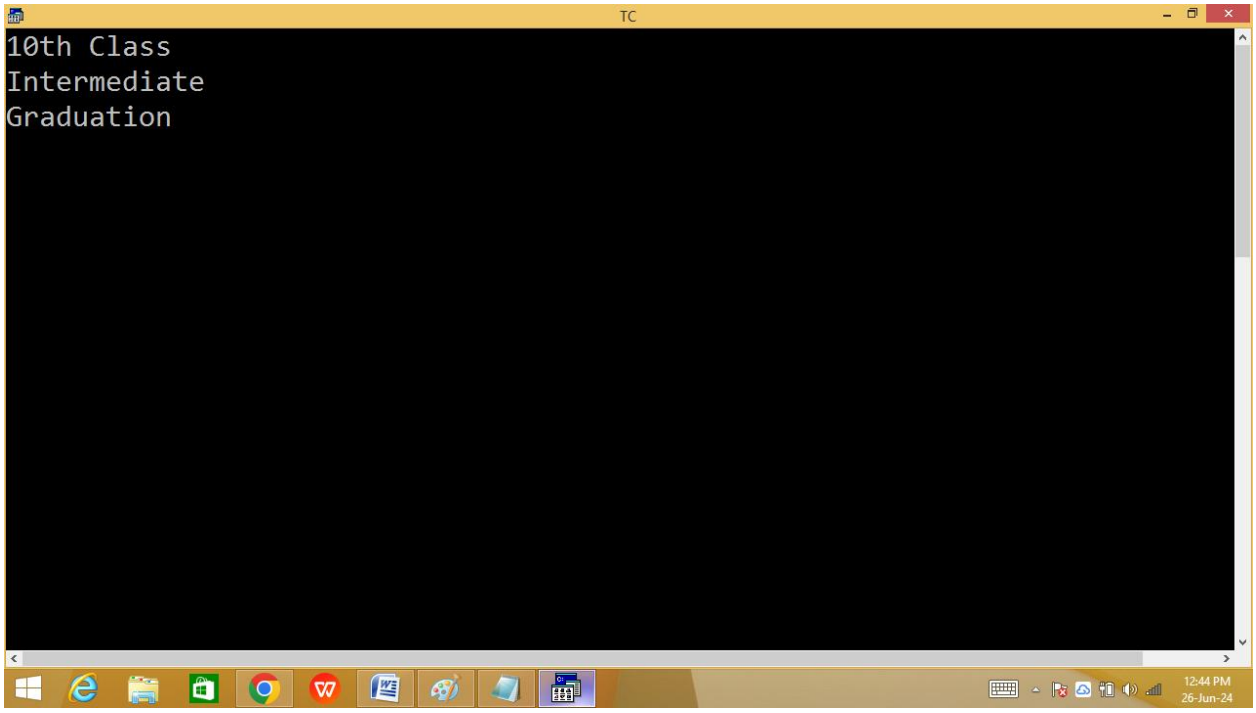
Label naming rules are similar to the identifier rules.

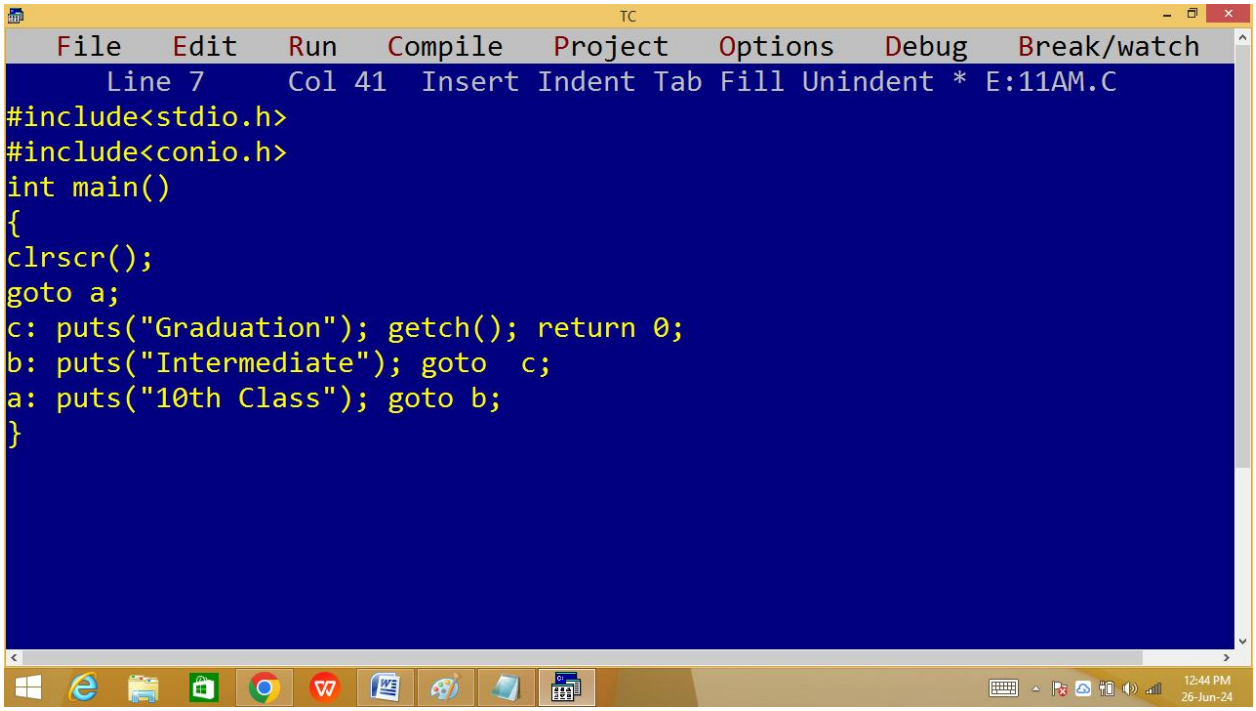
Note: goto label working style is similar to loops some times.

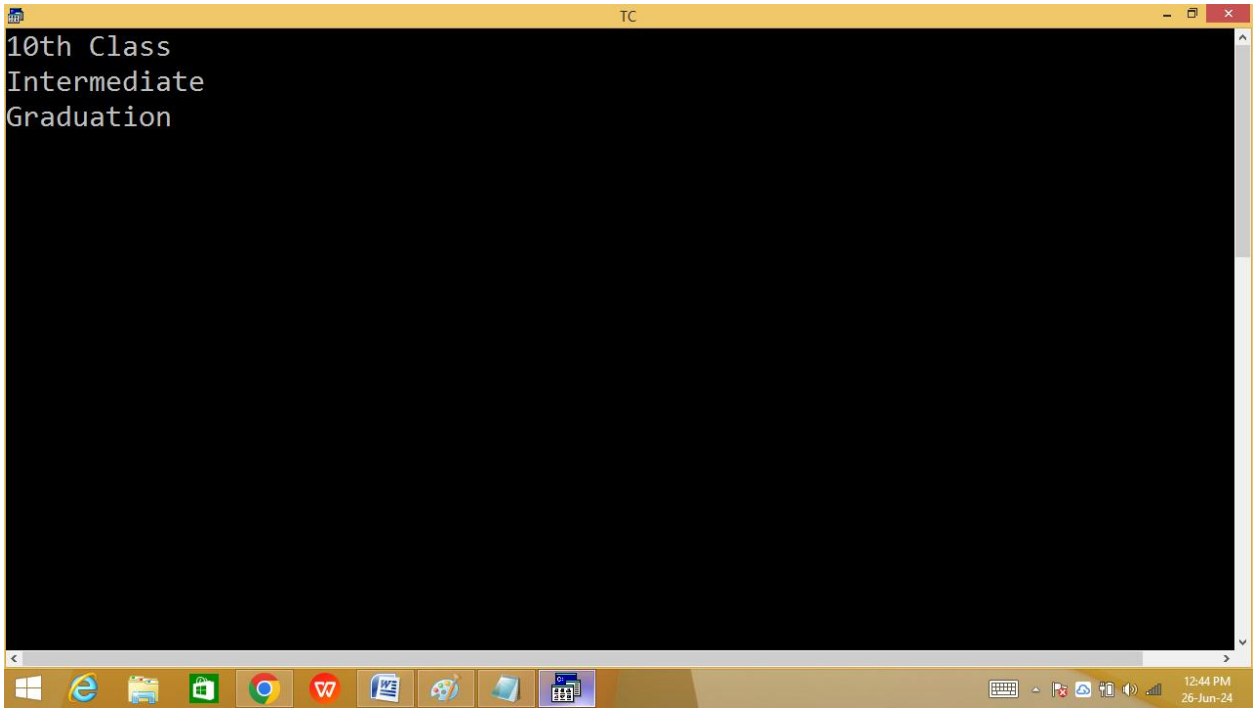


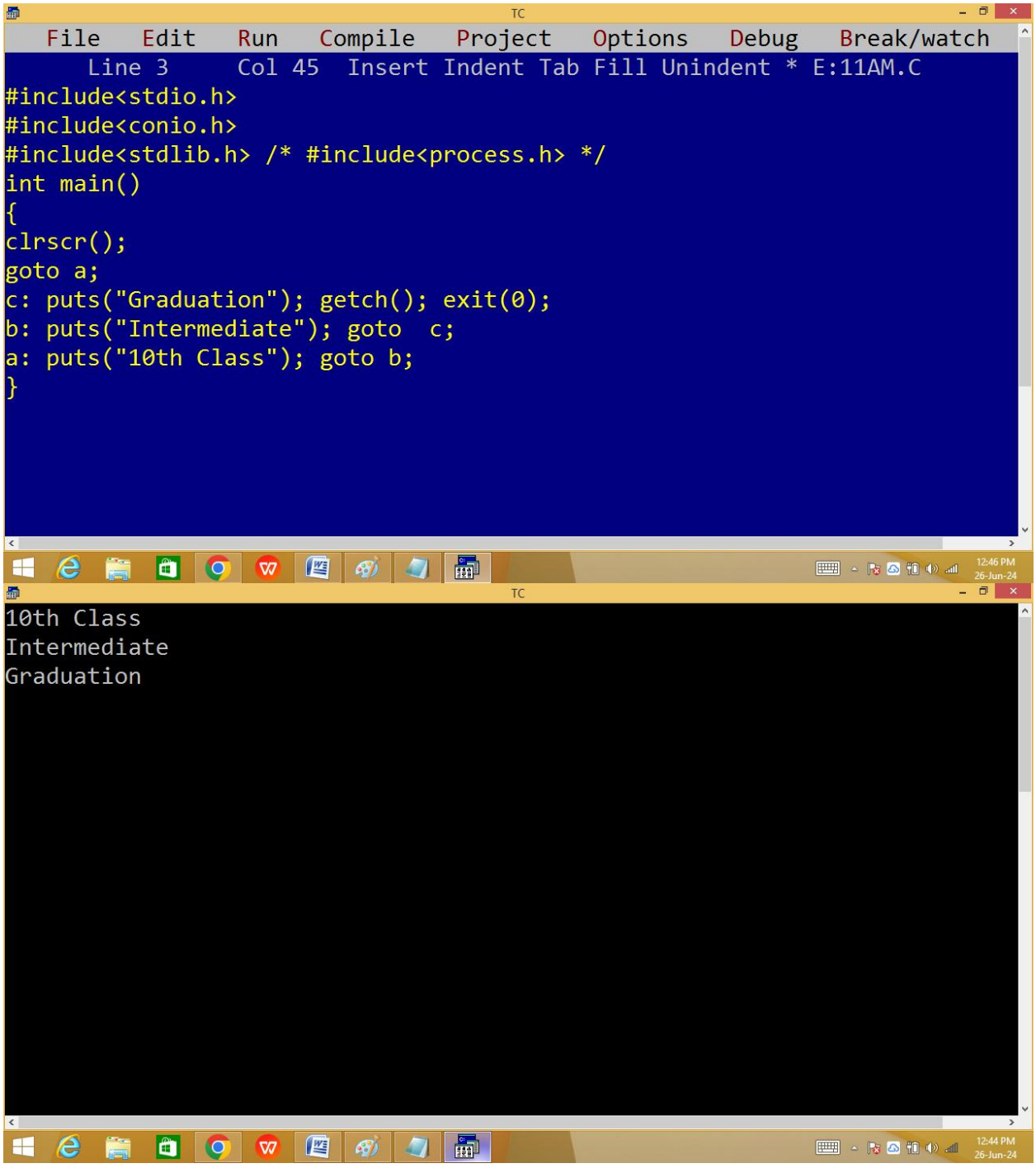

TC
10th Class
Intermediate
Graduation
12:42 PM
26-Jun-24


TC
File Edit Run Compile Project Options Debug Break/watch
Line 10 Col 1 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
goto a;
c: puts("Graduation"); getch(); return;
b: puts("Intermediate"); goto c;
a: puts("10th Class"); goto b;
}
12:43 PM
26-Jun-24


TC
10th Class
Intermediate
Graduation
12:44 PM
26-Jun-24


TC
File Edit Run Compile Project Options Debug Break/watch
Line 7 Col 41 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
int main()
{
clrscr();
goto a;
c: puts("Graduation"); getch(); return 0;
b: puts("Intermediate"); goto c;
a: puts("10th Class"); goto b;
}
12:44 PM
26-Jun-24


TC
10th Class
Intermediate
Graduation
12:44 PM
26-Jun-24


TC
File Edit Run Compile Project Options Debug Break/watch
Line 3 Col 45 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
#include<stdlib.h> /* #include<process.h> */
int main()
{
clrscr();
goto a;
c: puts("Graduation"); getch(); exit(0);
b: puts("Intermediate"); goto c;
a: puts("10th Class"); goto b;
}
12:46 PM
26-Jun-24
TC
10th Class
Intermediate
Graduation
12:44 PM
26-Jun-24