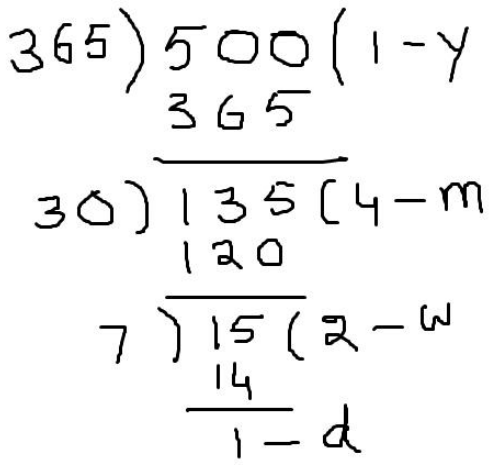
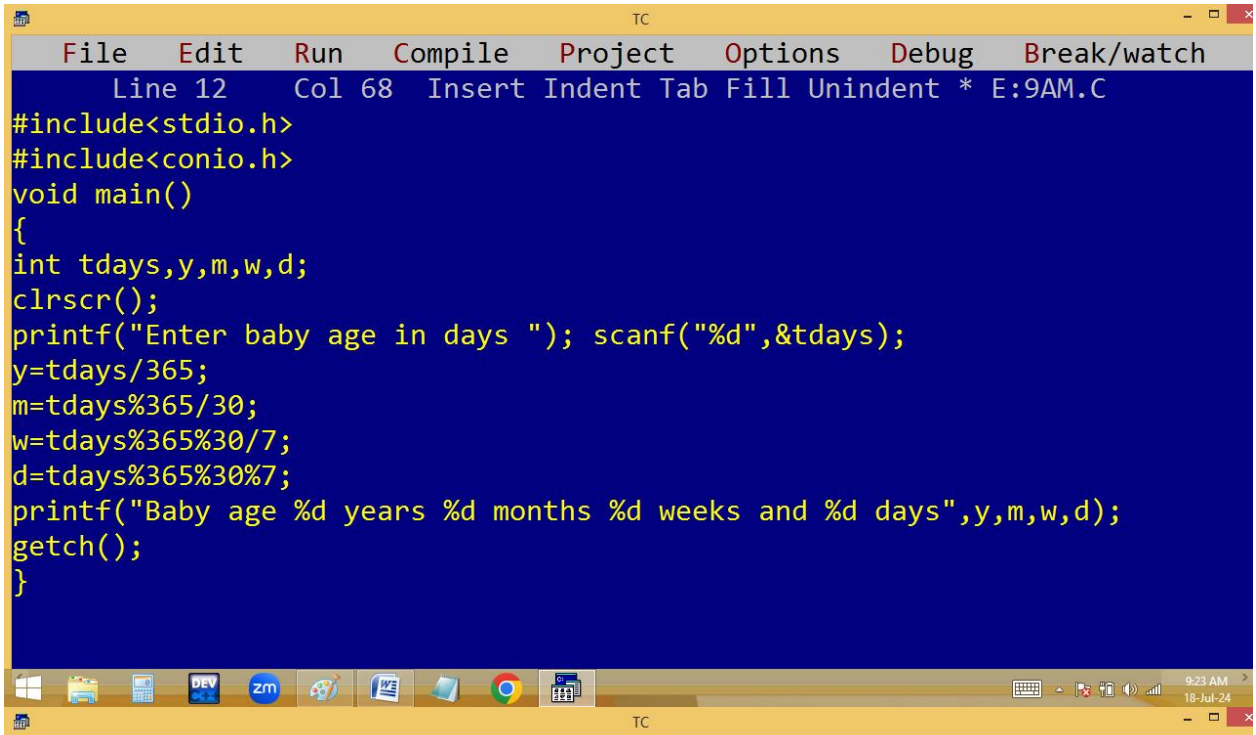
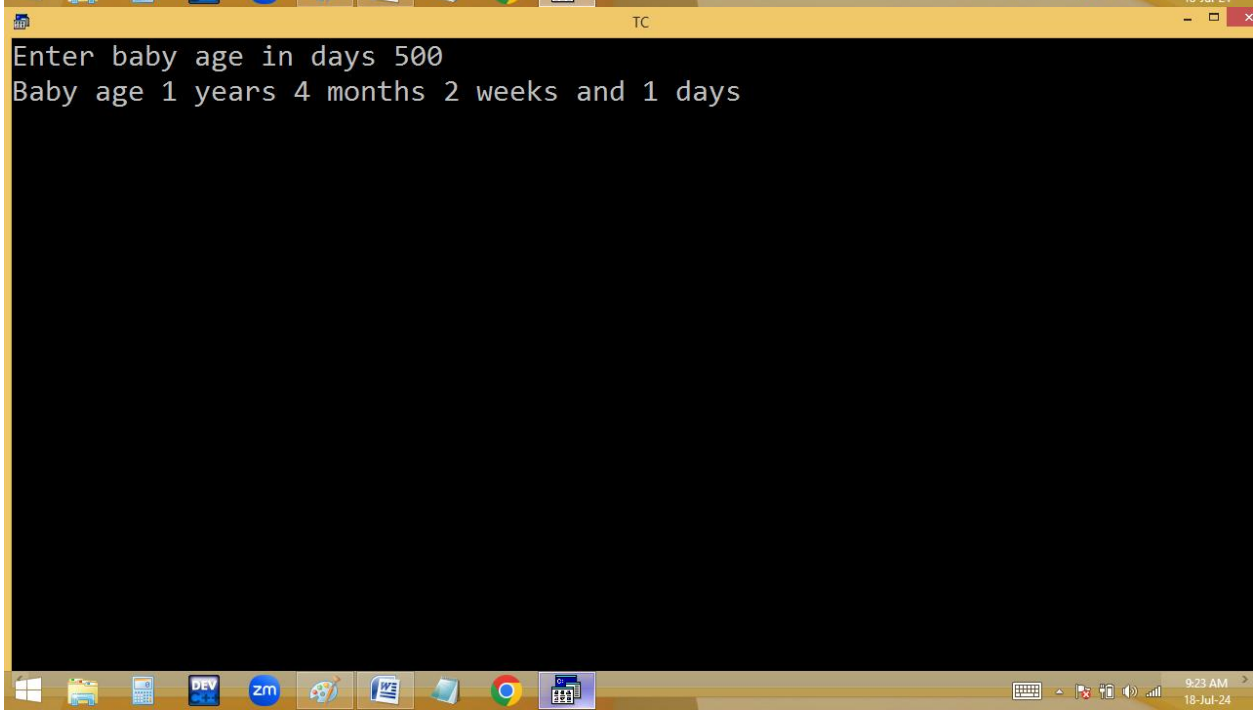
Read a baby age in no of days and find the baby age in years, months, weeks and days.

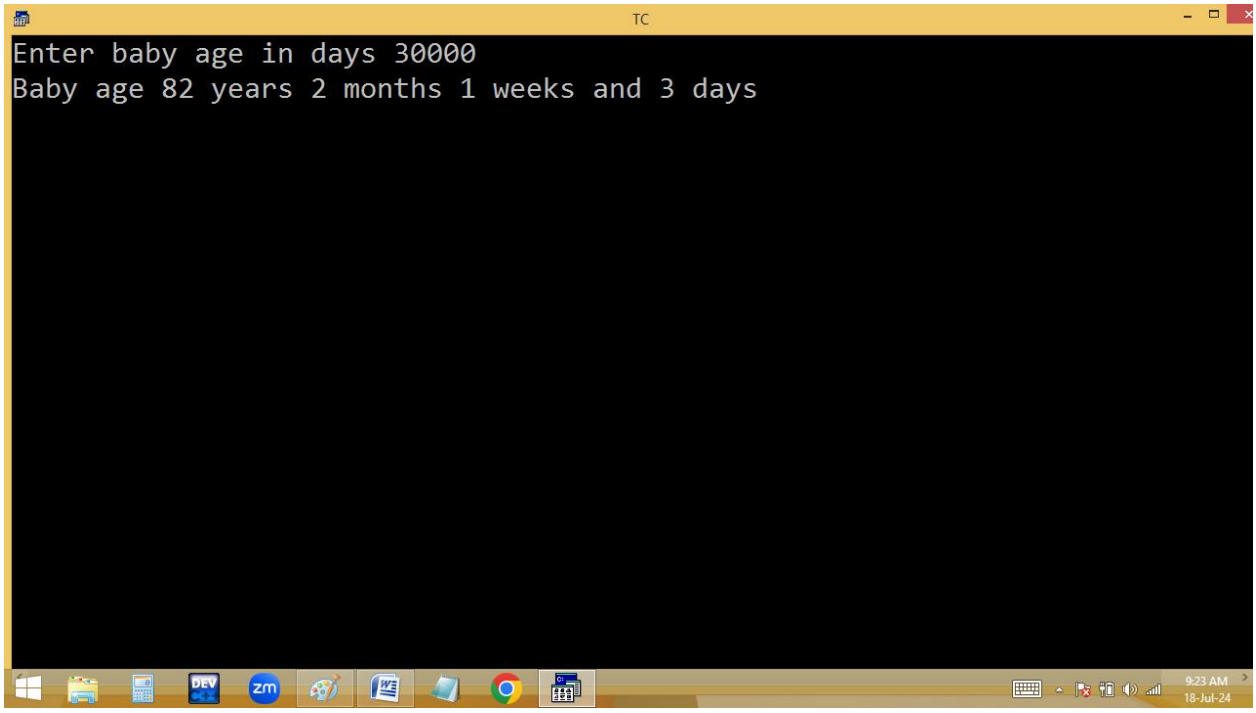
y = 500/365 = 1
m = 500%365=135/30=4
w = 500%365=135%30=15/7=2
d = 500%365=135%30=15%7=1

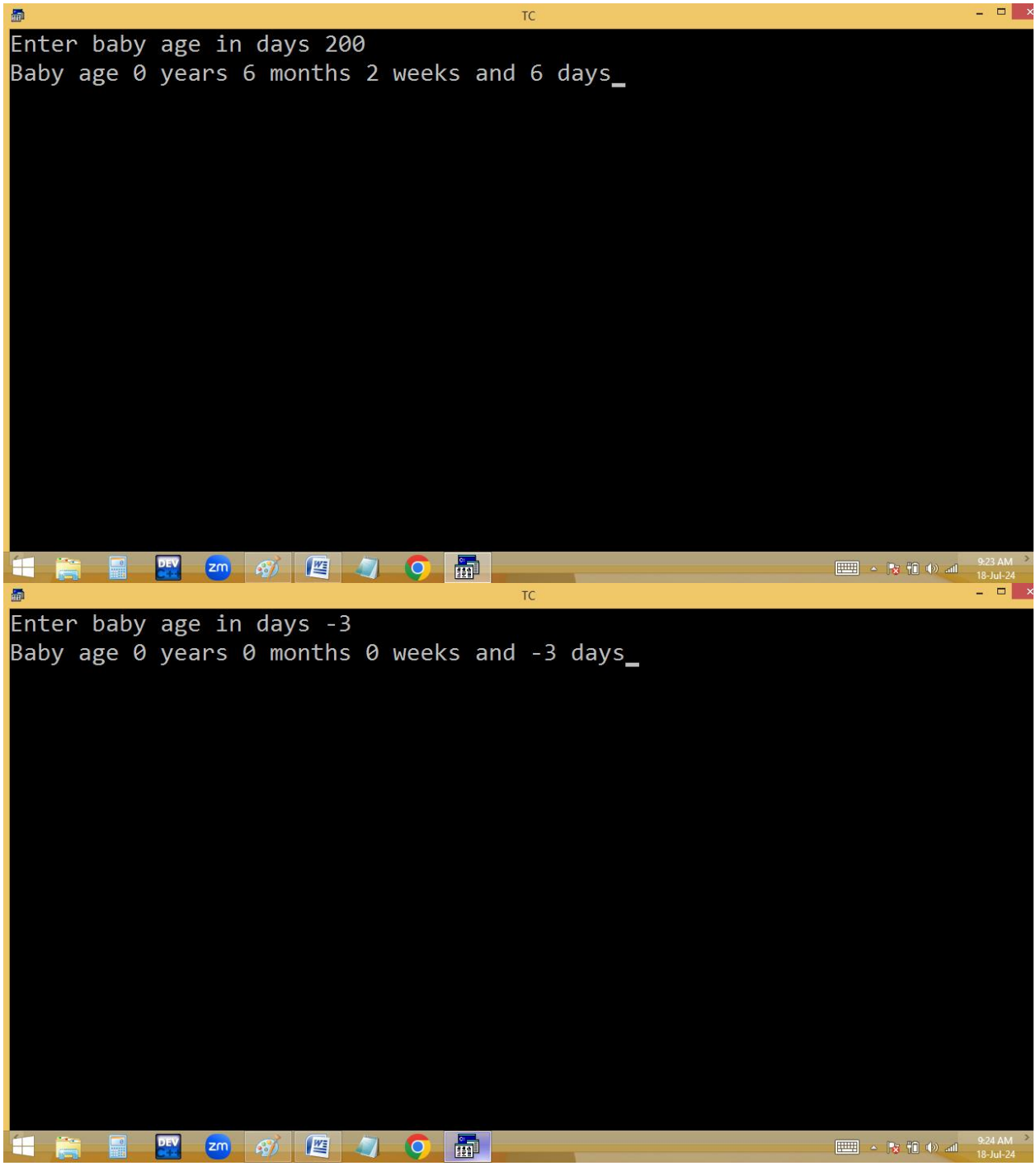
tdays




TC
File Edit Run Compile Project Options Debug Break/watch
Line 12 Col 68 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int tdays,y,m,w,d;
clrscr();
printf("Enter baby age in days "); scanf("%d",&tdays);
y=tdays/365;
m=tdays%365/30;
w=tdays%365%30/7;
d=tdays%365%30%7;
printf("Baby age %d years %d months %d weeks and %d days",y,m,w,d);
getch();
}


TC
Enter baby age in days 500
Baby age 1 years 4 months 2 weeks and 1 days

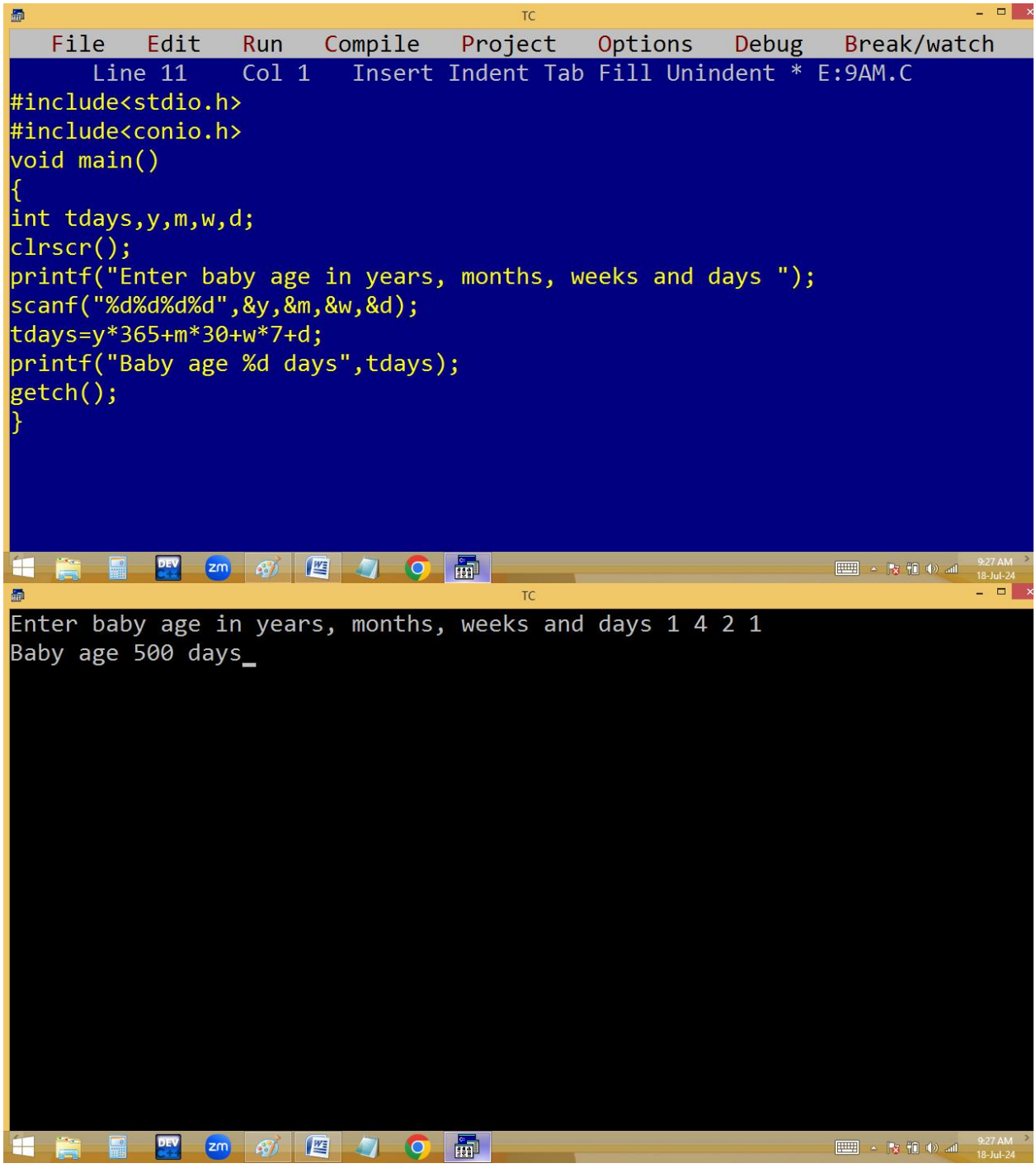

TC
Enter baby age in days 30000
Baby age 82 years 2 months 1 weeks and 3 days
9:23 AM
18-Jul-24

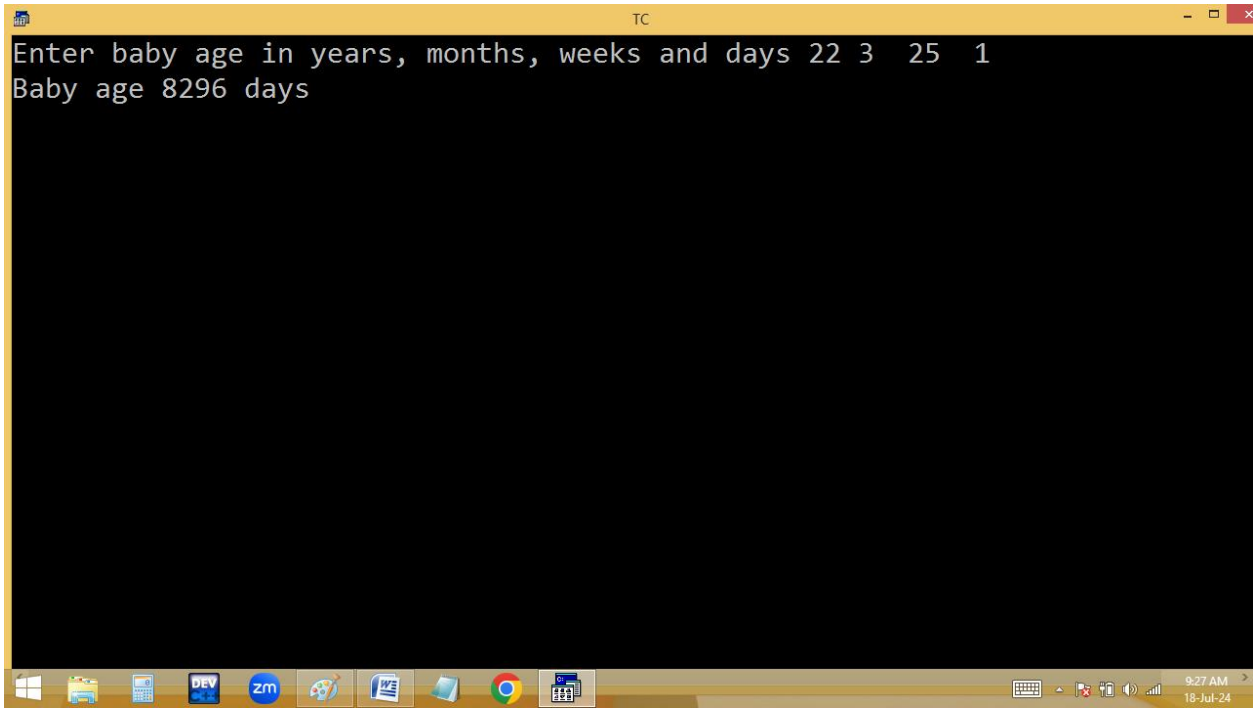


Read baby age in years, months, weeks and days and find the baby age in total days.

1 year + 4 months + 2 weeks + 1 day = 500 days

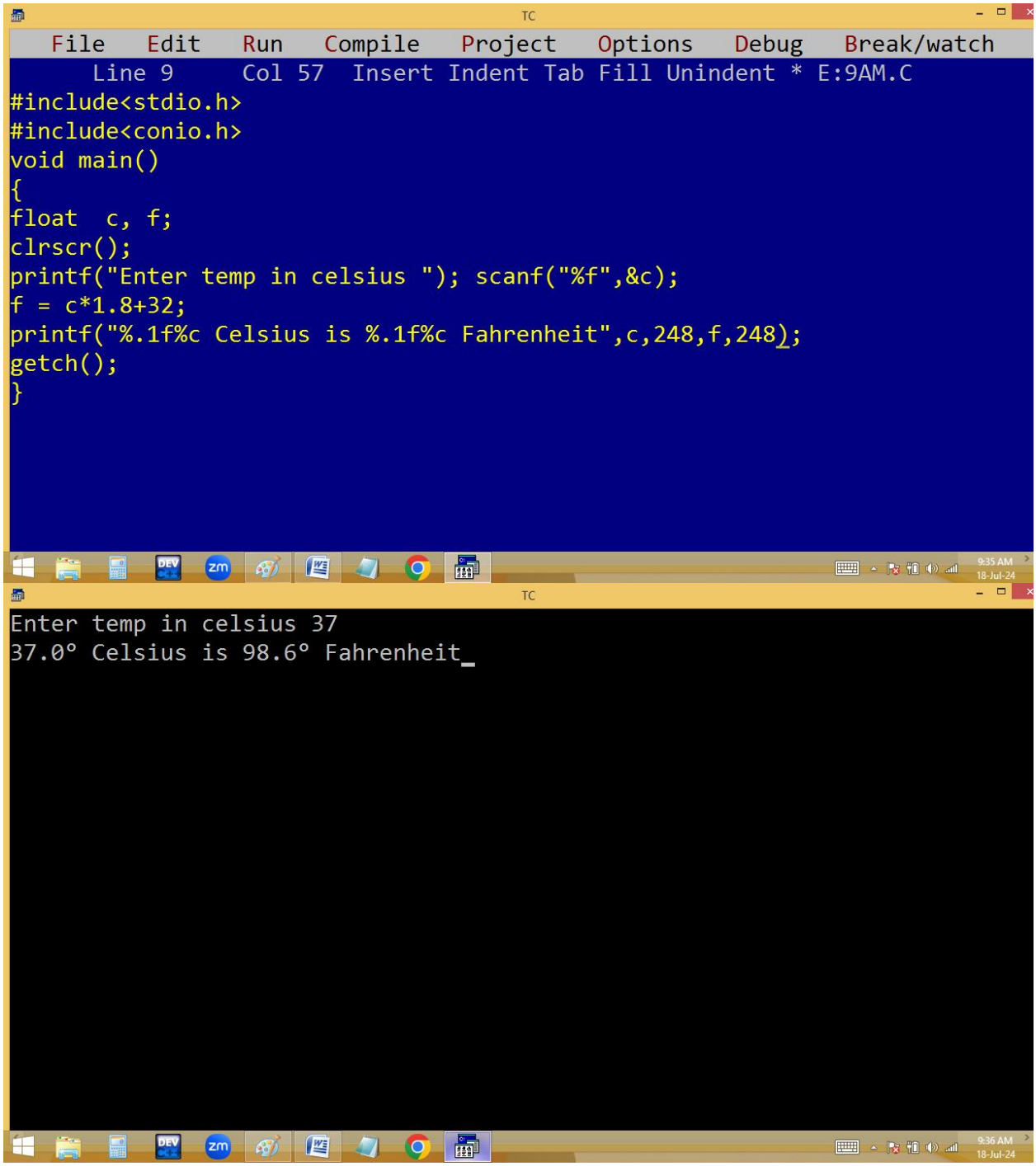
1*365 + 4*30 + 2*7 + 1 = 500 days


TC
File Edit Run Compile Project Options Debug Break/watch
Line 11 Col 1 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int tdays,y,m,w,d;
clrscr();
printf("Enter baby age in years, months, weeks and days ");
scanf("%d%d%d%d",&y,&m,&w,&d);
tdays=y*365+m*30+w*7+d;
printf("Baby age %d days",tdays);
getch();
}
TC
Enter baby age in years, months, weeks and days 1 4 2 1
Baby age 500 days



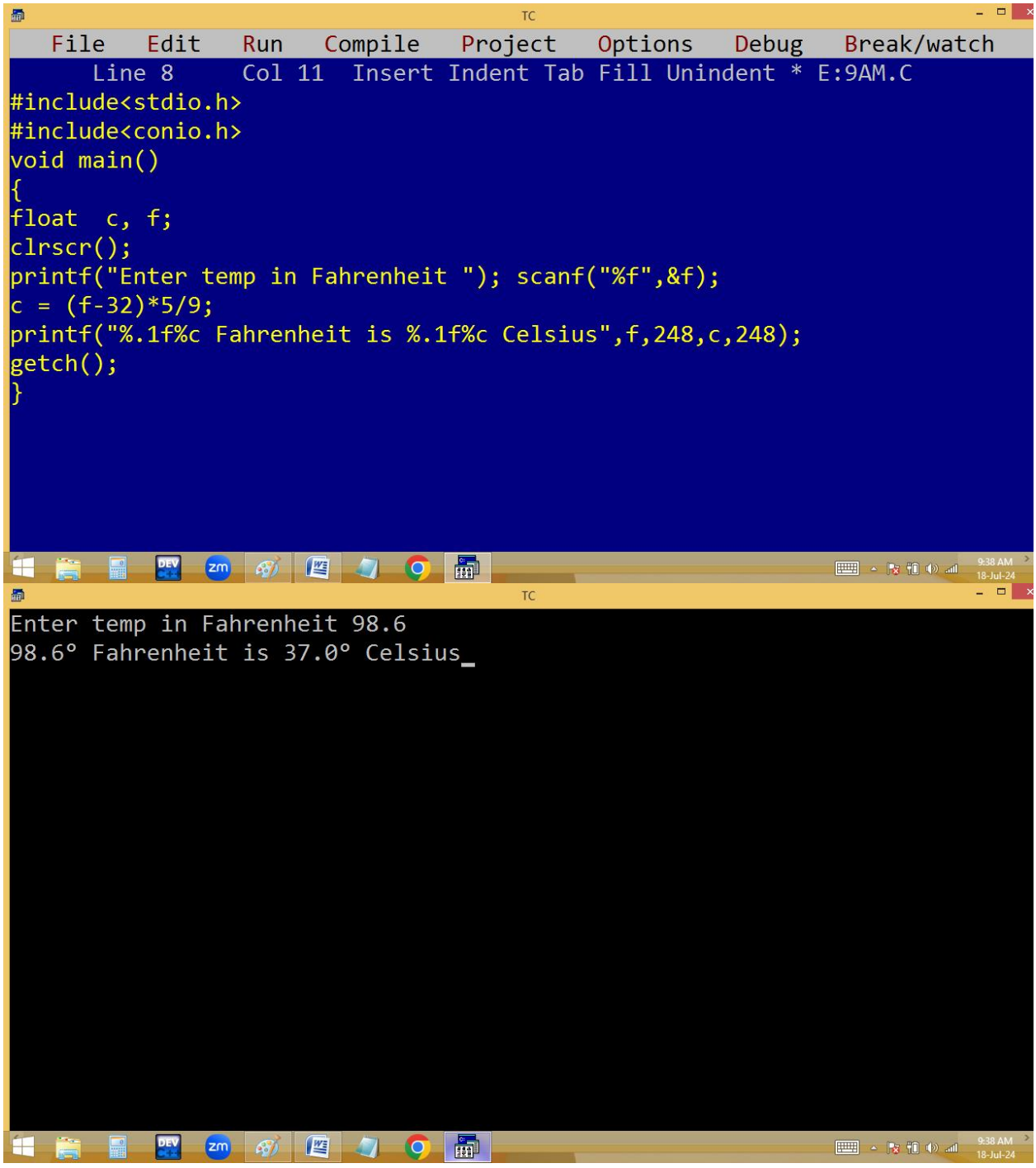
Celsius to Fahrenheit:

37^0 Celsius is 98.4^0 Fahrenheit



Fahrenheit to Celsius:

C = f-32 * 5/9

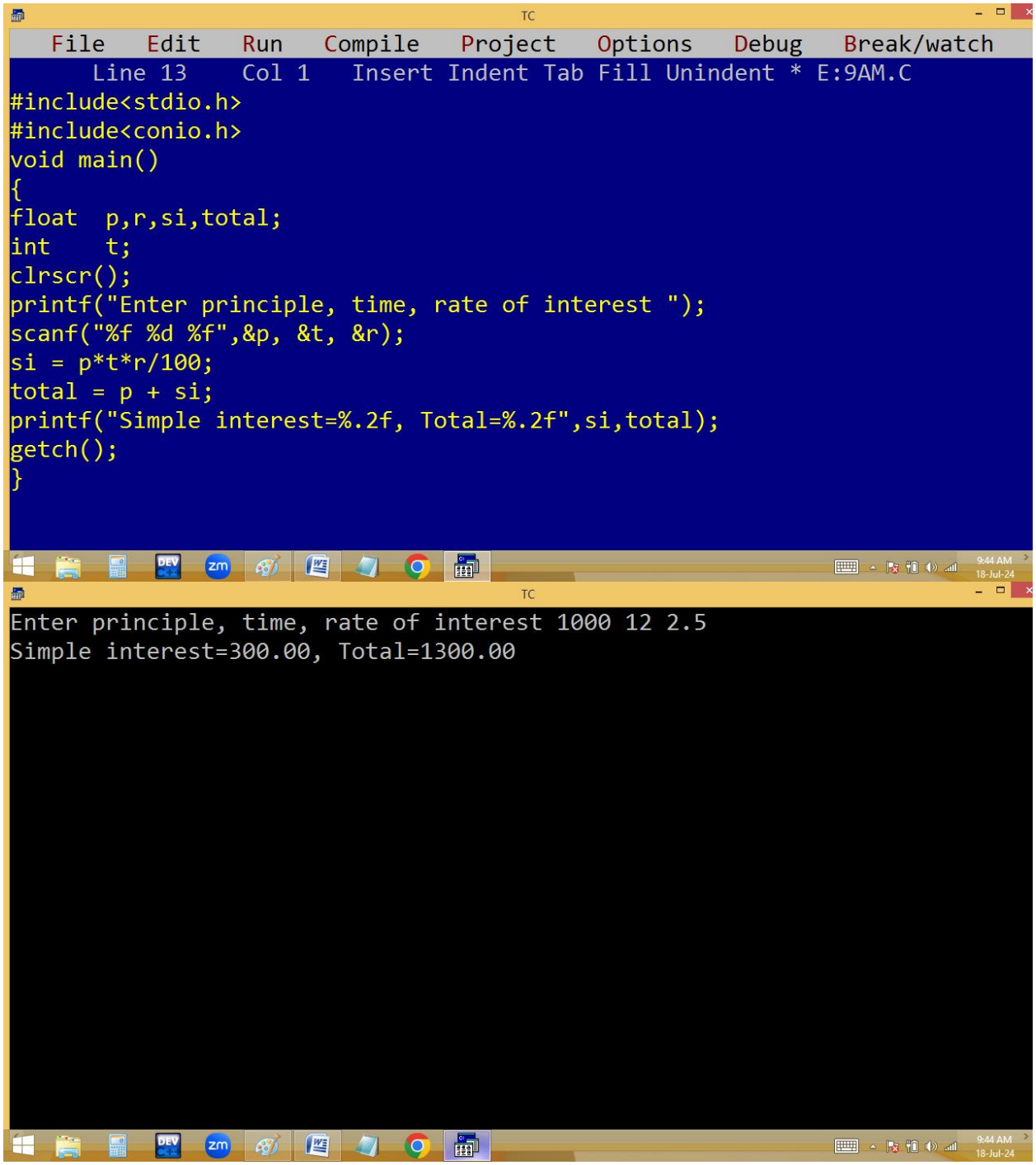


Find the simple interest.

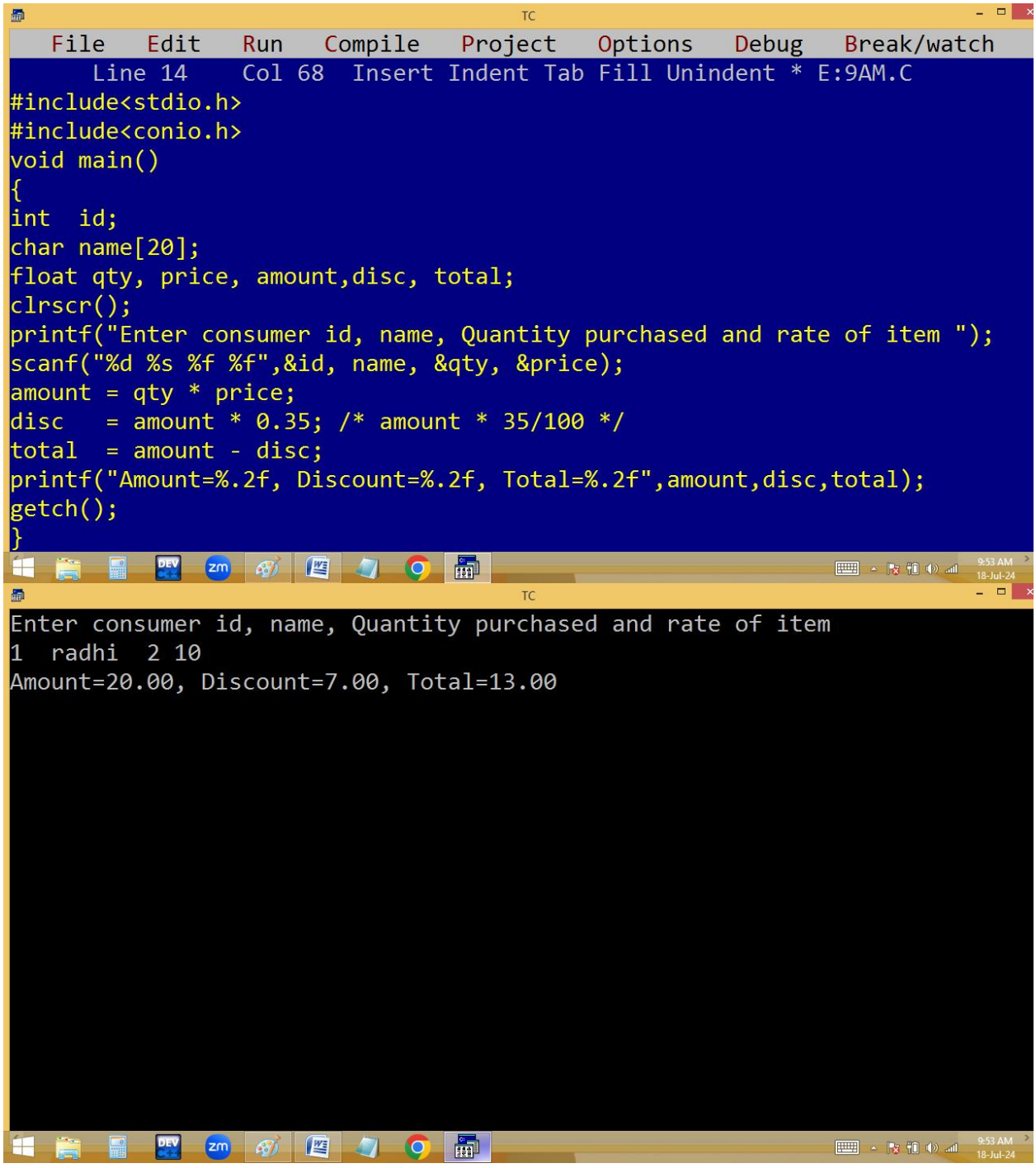
p*t*r/100

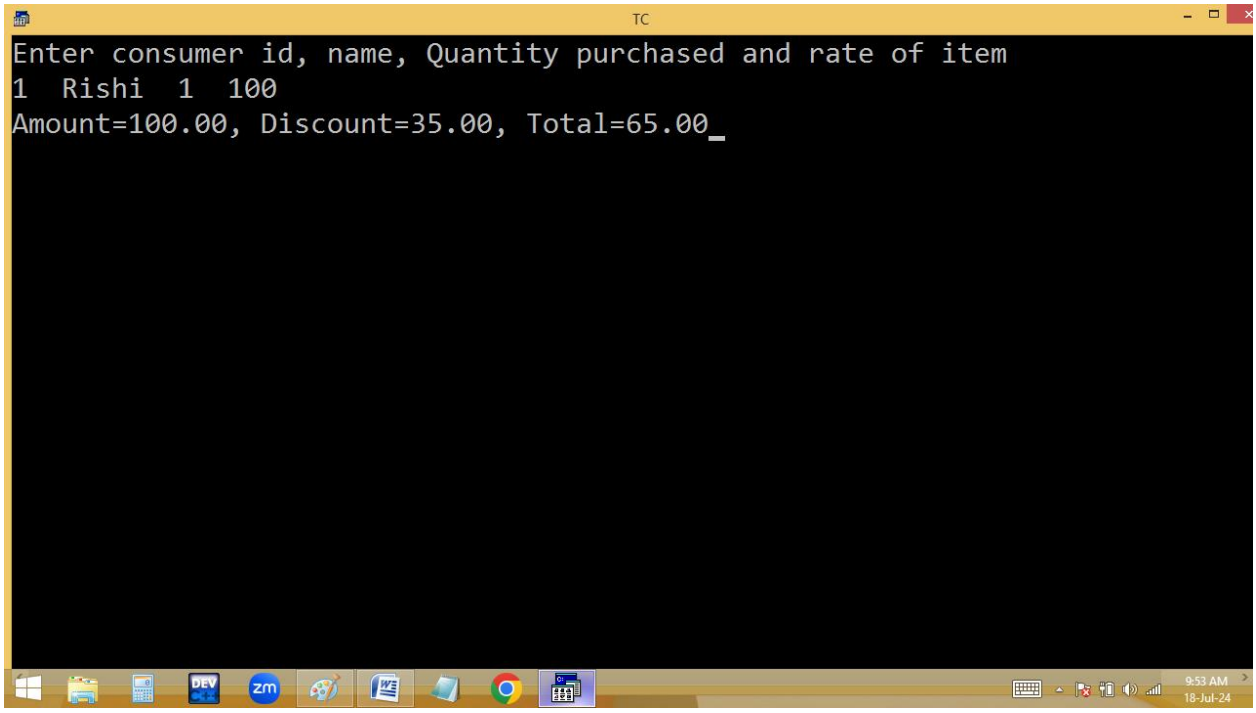
10*2.5=25/- per month
12*25 = 300 si
1000 + 300 = 1300/- total

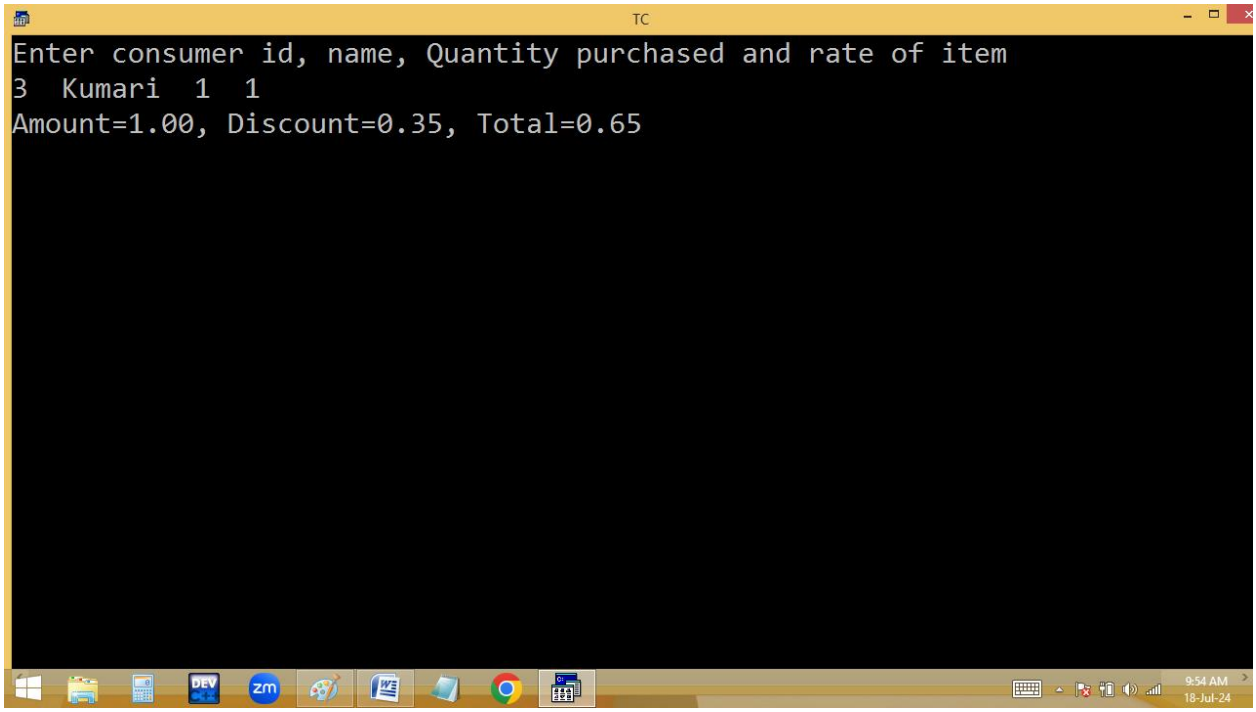
principle = 1000
time =12 months
rate of interest = 2.5



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 14 Col 68 Insert Indent Tab Fill Unindent * E:9AM.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 * 0.35; /* amount * 35/100 */
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
1 radhi 2 10
Amount=20.00, Discount=7.00, Total=13.00


TC
Enter consumer id, name, Quantity purchased and rate of item
1 Rishi 1 100
Amount=100.00, Discount=35.00, Total=65.00
9:53 AM
18-Jul-24


TC
Enter consumer id, name, Quantity purchased and rate of item
3 Kumari 1 1
Amount=1.00, Discount=0.35, Total=0.65
9:54 AM
18-Jul-24

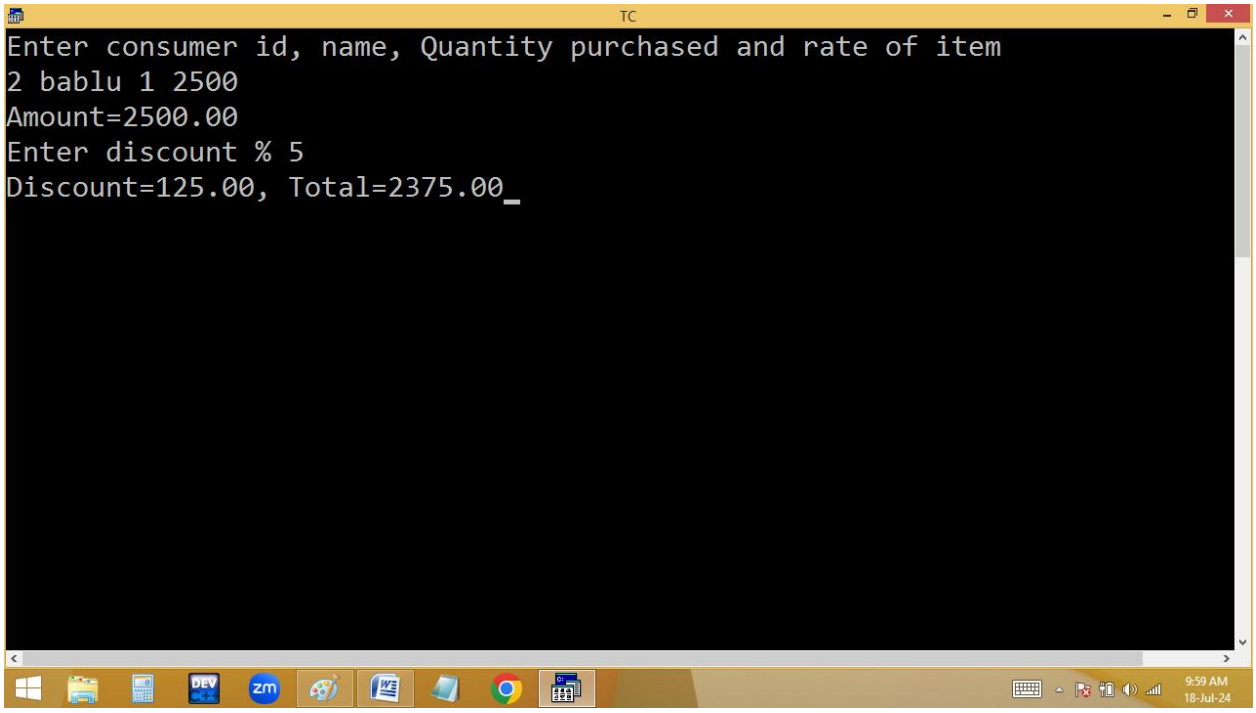
Flexible discount:

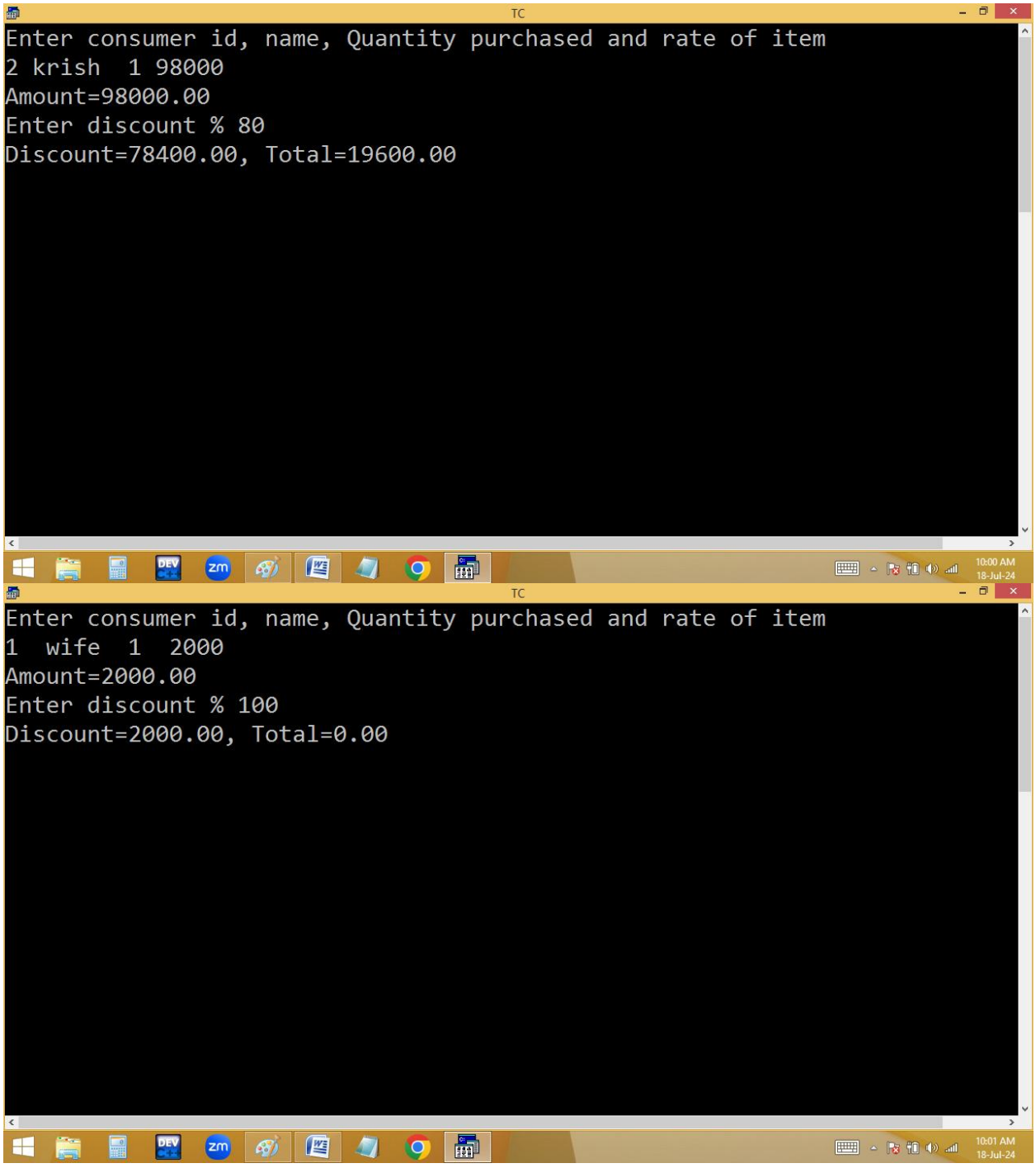
TC

```
#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 % ");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
1 kumari 1 1
Amount=1.00
Enter discount % 0
Discount=0.00, Total=1.00
```


TC
Enter consumer id, name, Quantity purchased and rate of item
2 bablu 1 2500
Amount=2500.00
Enter discount % 5
Discount=125.00, Total=2375.00
9:59 AM
18-Jul-24



CONTROL STATEMENTS / CONTROL STRUCTURES

They are used to control program execution order.

CONTROL STATEMENTS

Unconditional branching

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

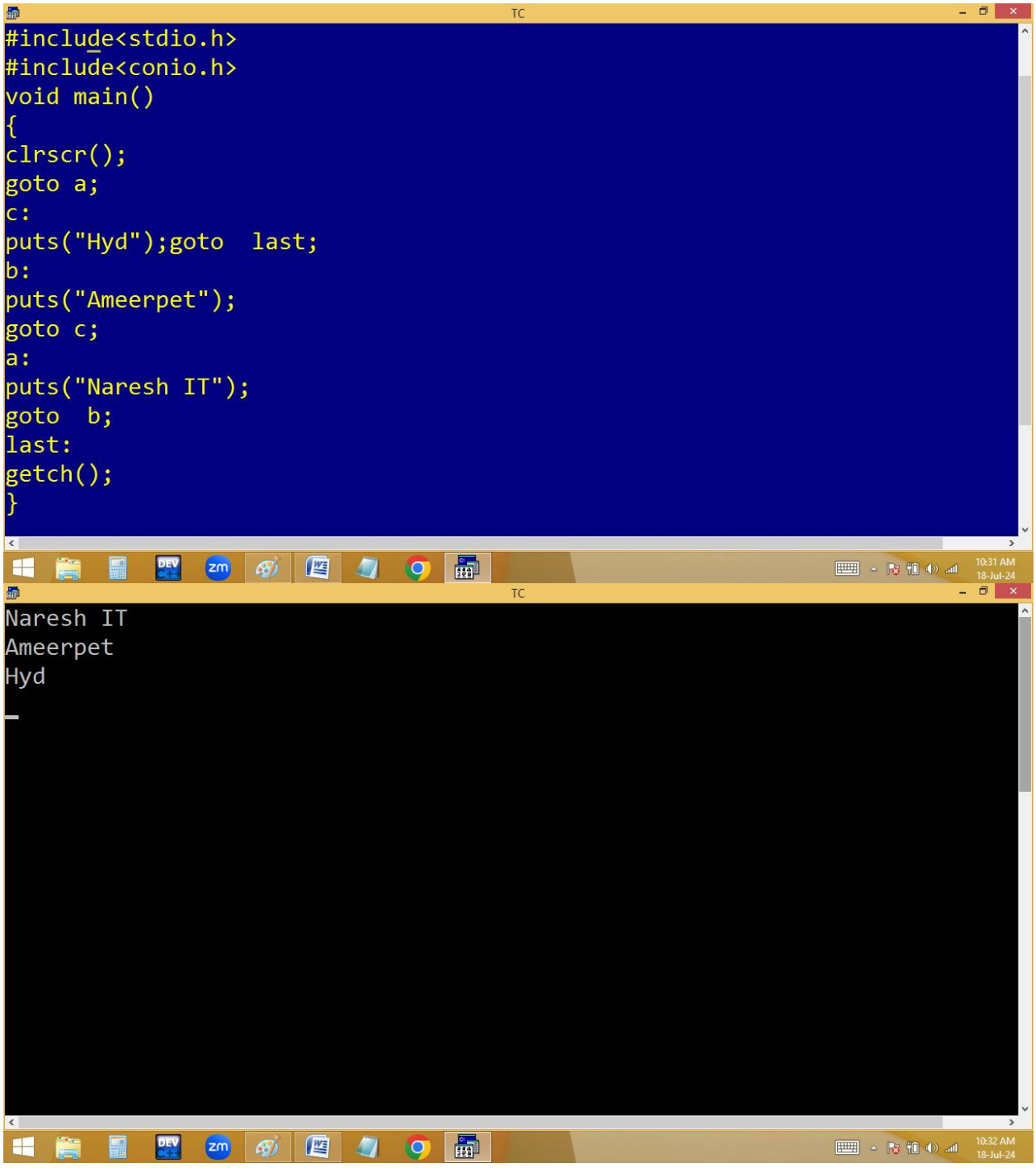
Conditional Branching

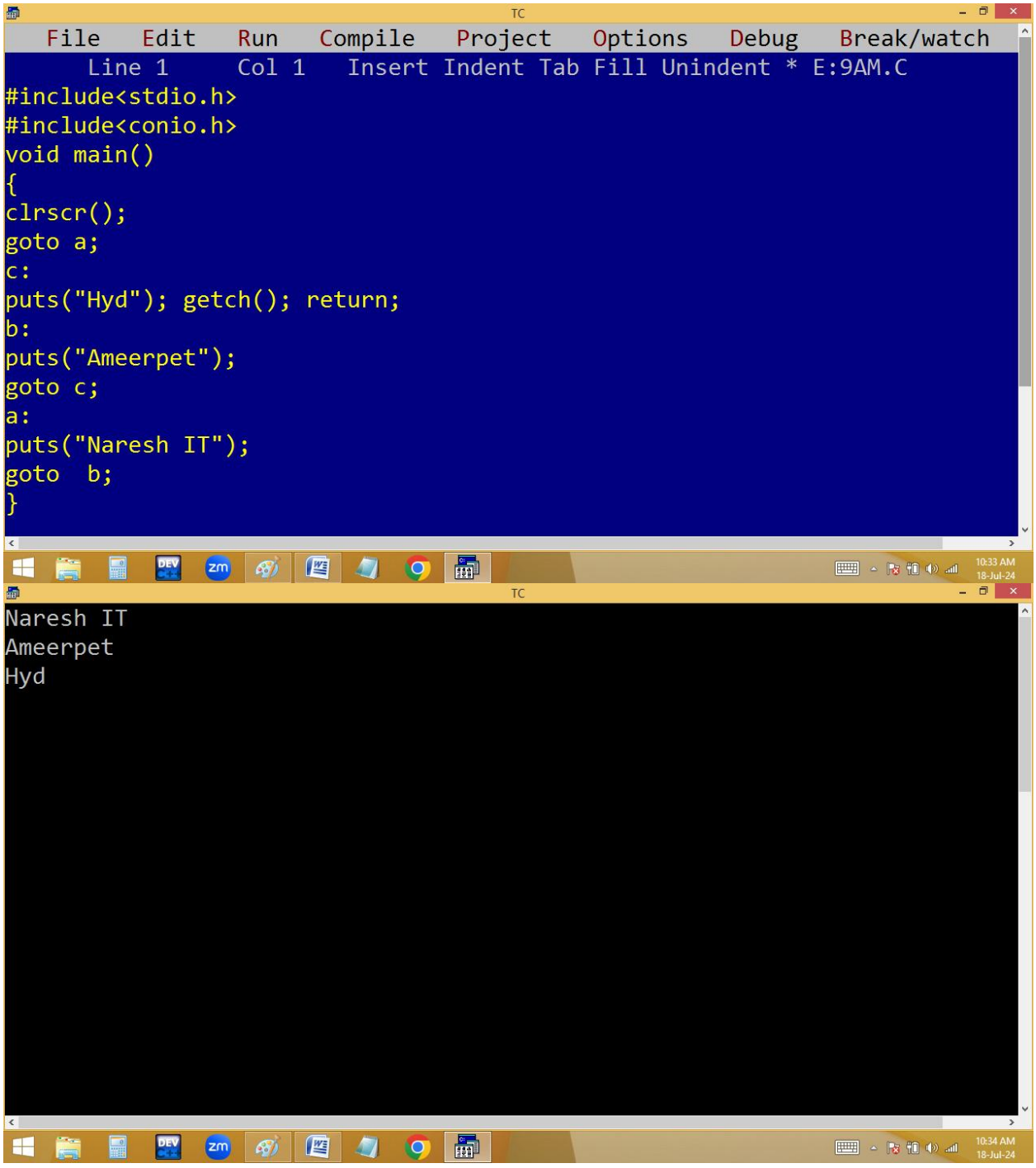
1. if
   a. simple if
   b. if..else
   c. if..else if ladde
   d. nested if
2. switch

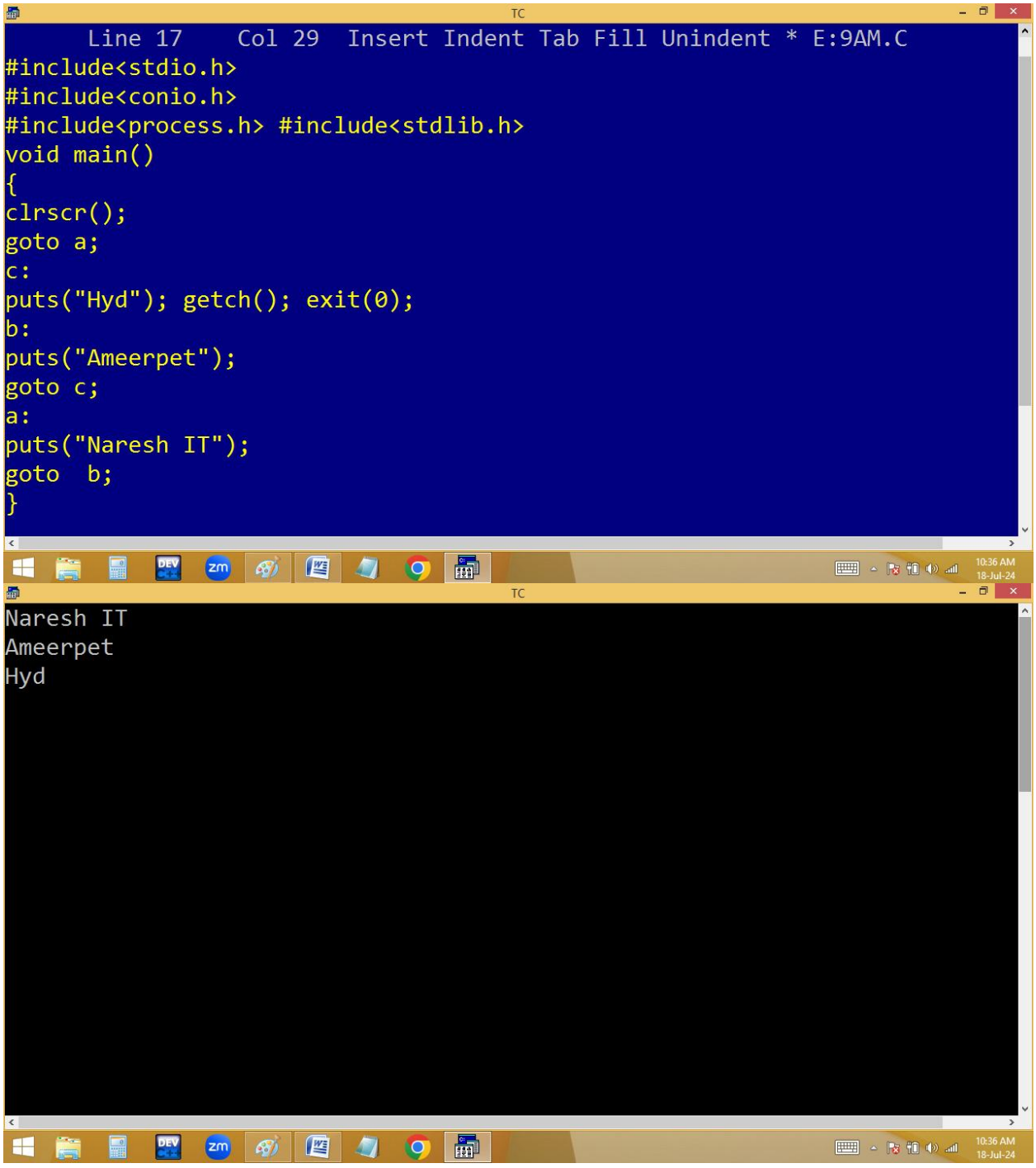
Loops/Iterations

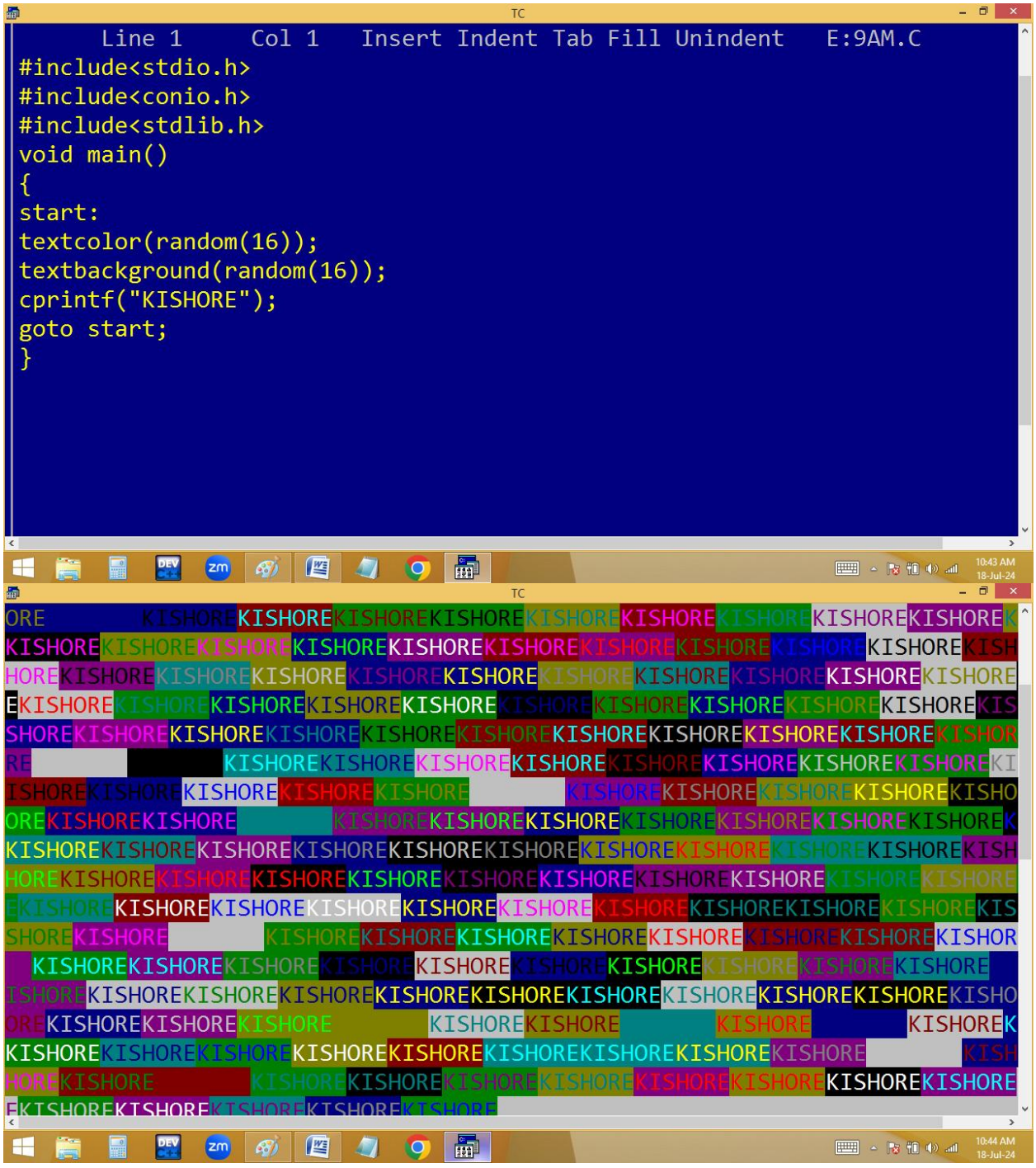
1. entry / pre controlled
   a. while
   b. for
2. exit / post controlled
   a. do..while

goto label / jumping statement:


TC
#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();
}
10:31 AM
18-Jul-24
TC
Naresh IT
Ameerpet
Hyd
10:32 AM
18-Jul-24


TC
File Edit Run Compile Project Options Debug Break/watch
Line 1 Col 1 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
goto a;
c:
puts("Hyd"); getch(); return;
b:
puts("Ameerpet");
goto c;
a:
puts("Naresh IT");
goto b;
}
TC
Naresh IT
Ameerpet
Hyd


TC
Line 17 Col 29 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
#include<process.h> #include<stdlib.h>
void main()
{
clrscr();
goto a;
c:
puts("Hyd"); getch(); exit(0);
b:
puts("Ameerpet");
goto c;
a:
puts("Naresh IT");
goto b;
}
TC
Naresh IT
Ameerpet
Hyd


TC
Line 1 Col 1 Insert Indent Tab Fill Unindent E:9AM.C
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
{
start:
textcolor(random(16));
textbackground(random(16));
cprintf("KISHORE");
goto start;
}
10:43 AM
18-Jul-24
TC
10:44 AM
18-Jul-24