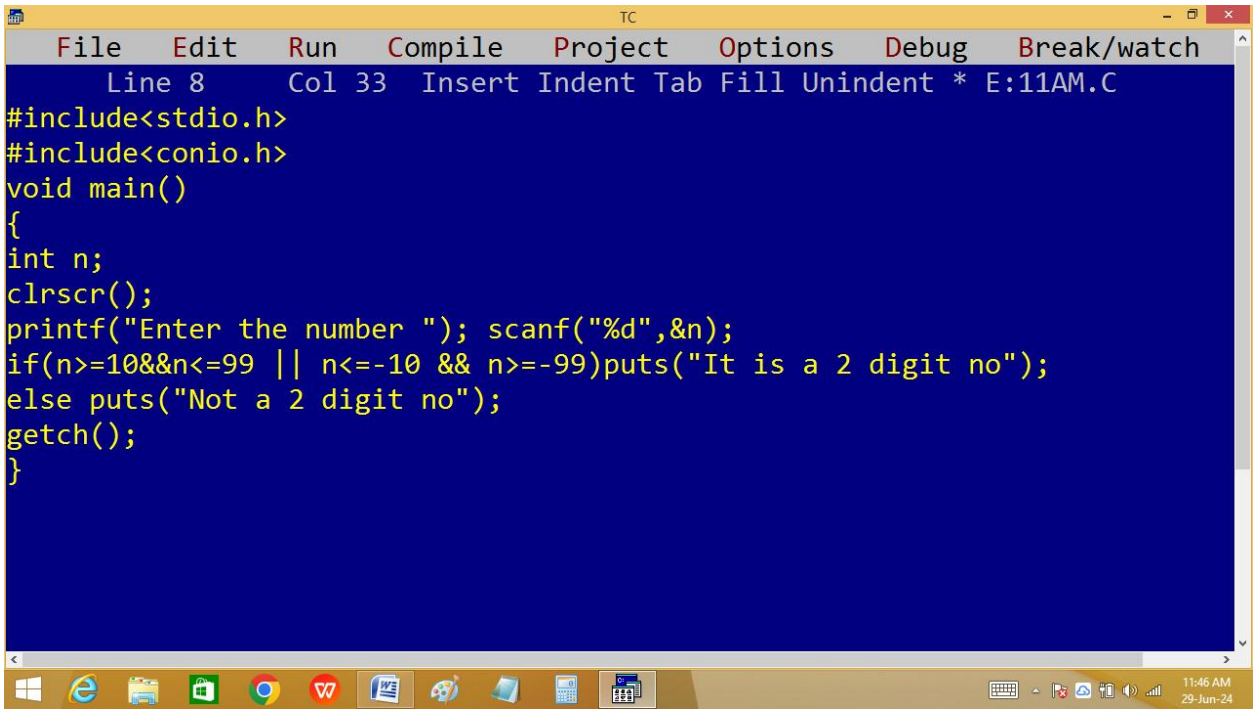
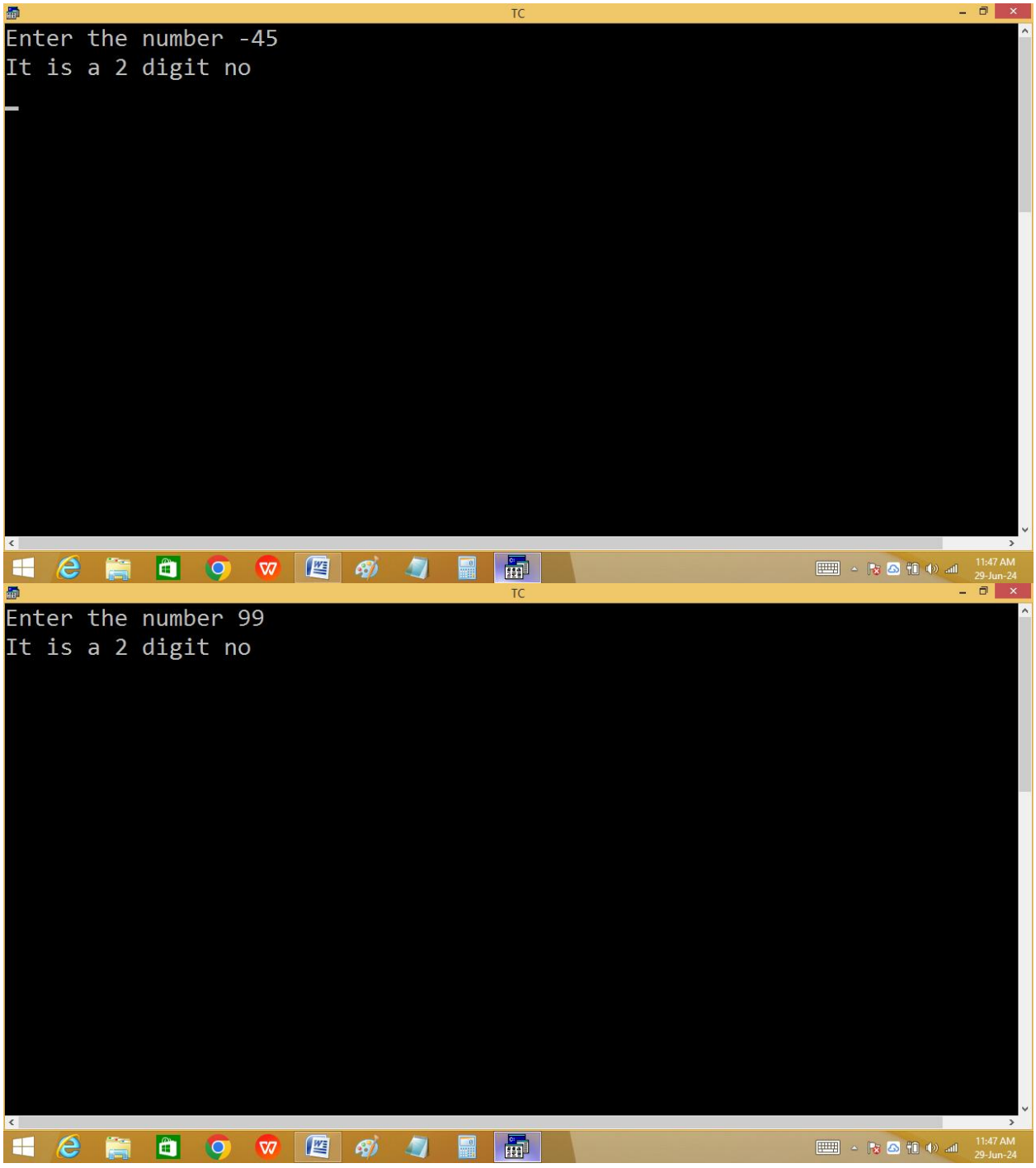
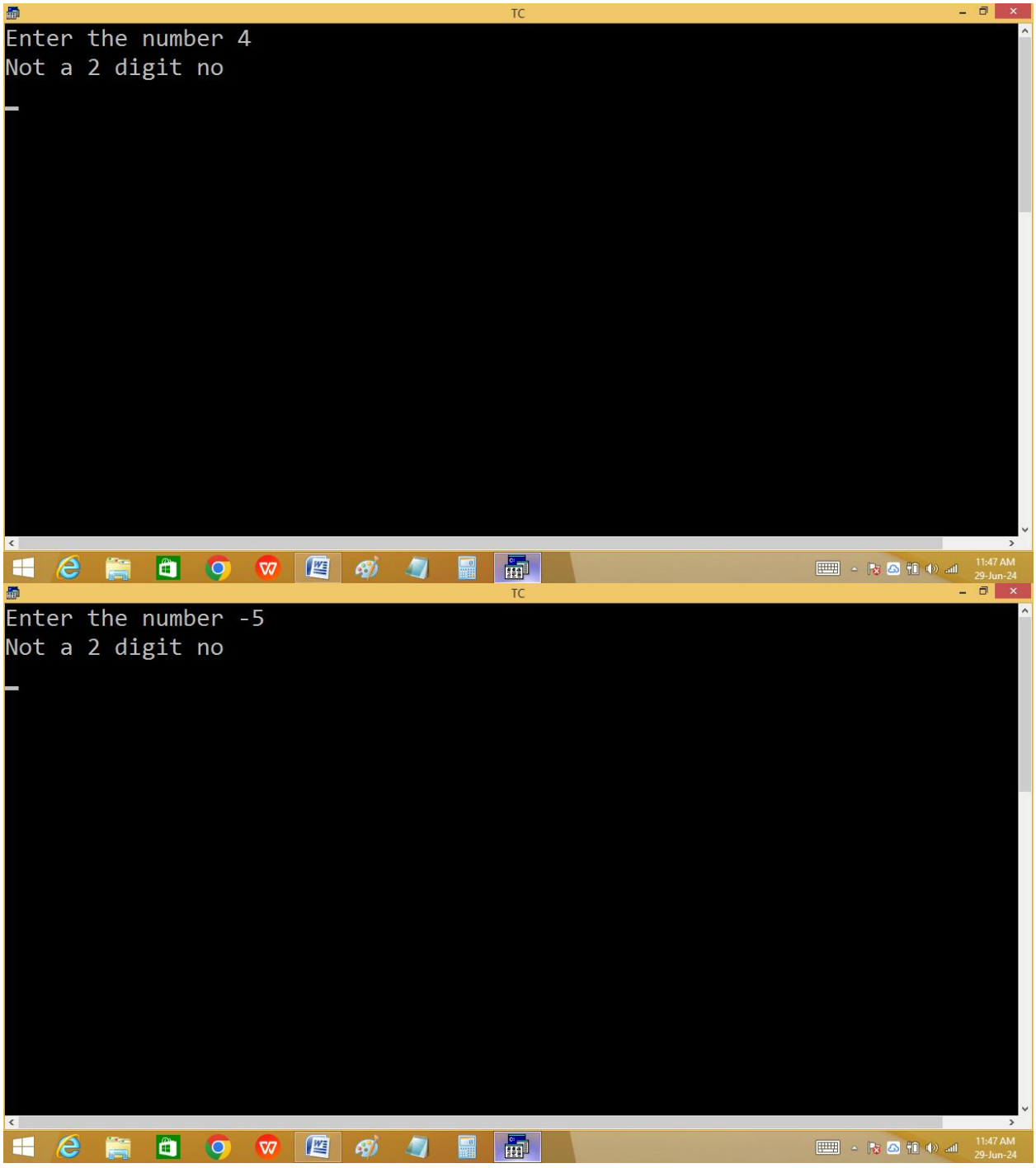
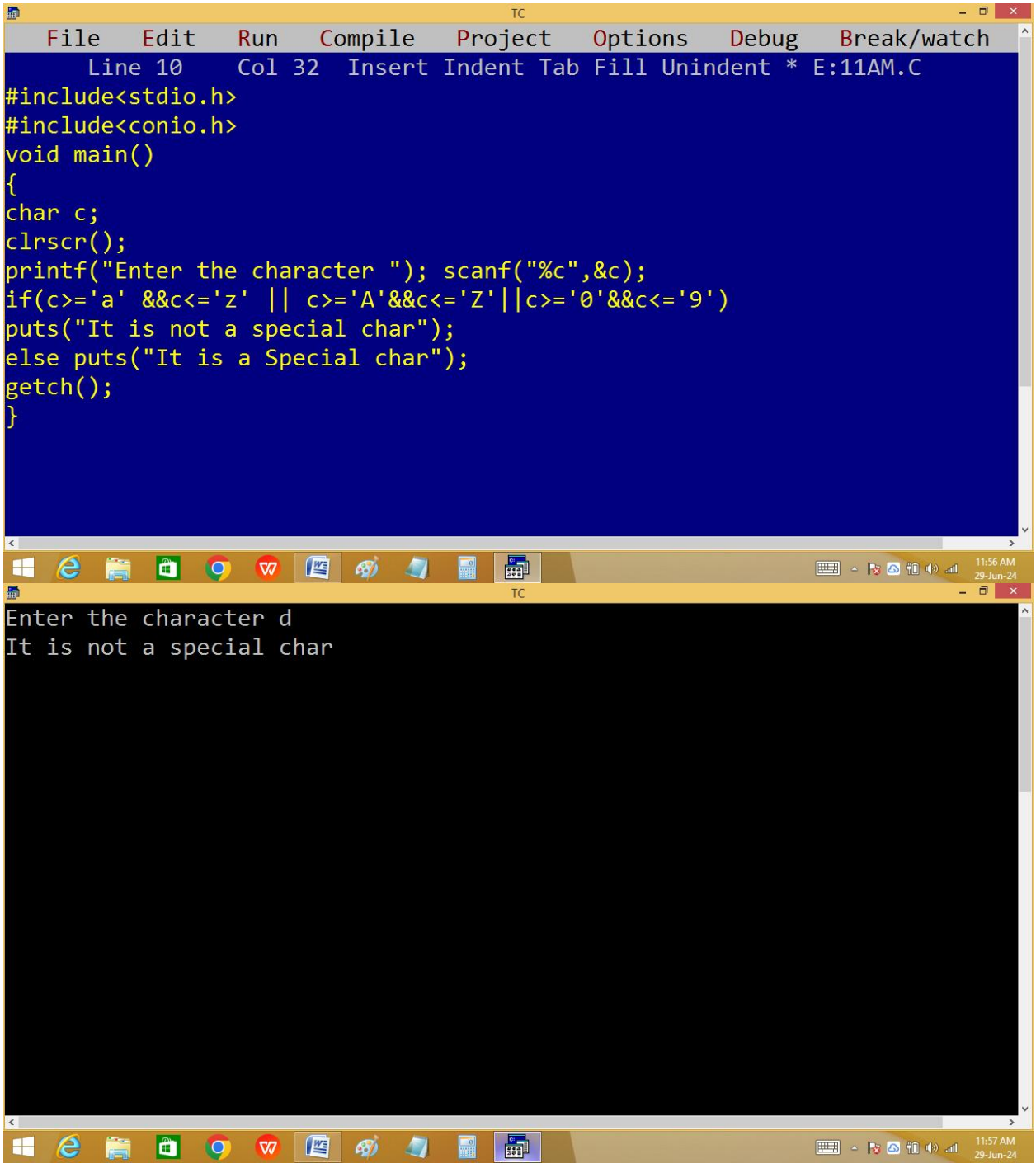
Finding 2 digit no or not:

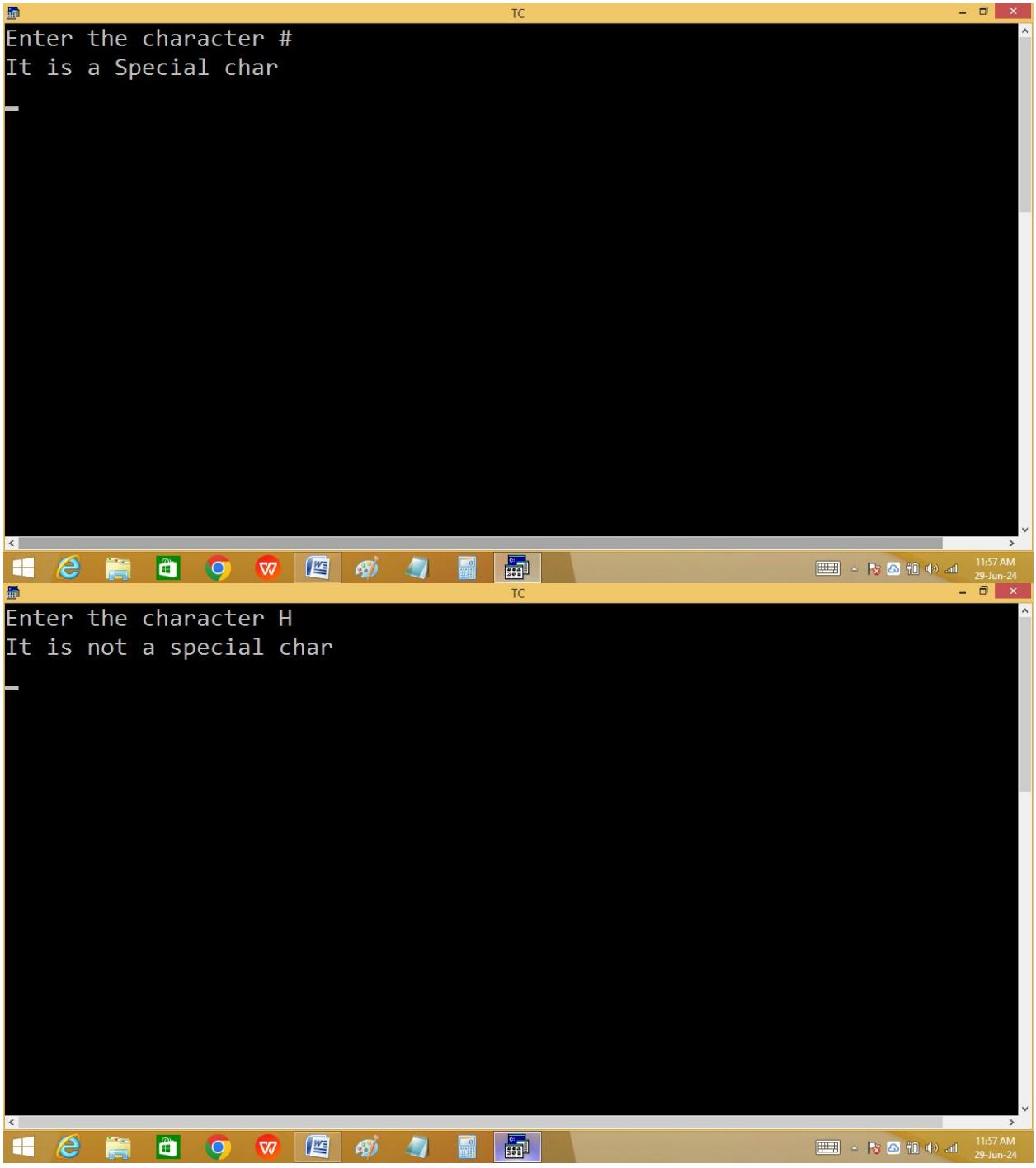


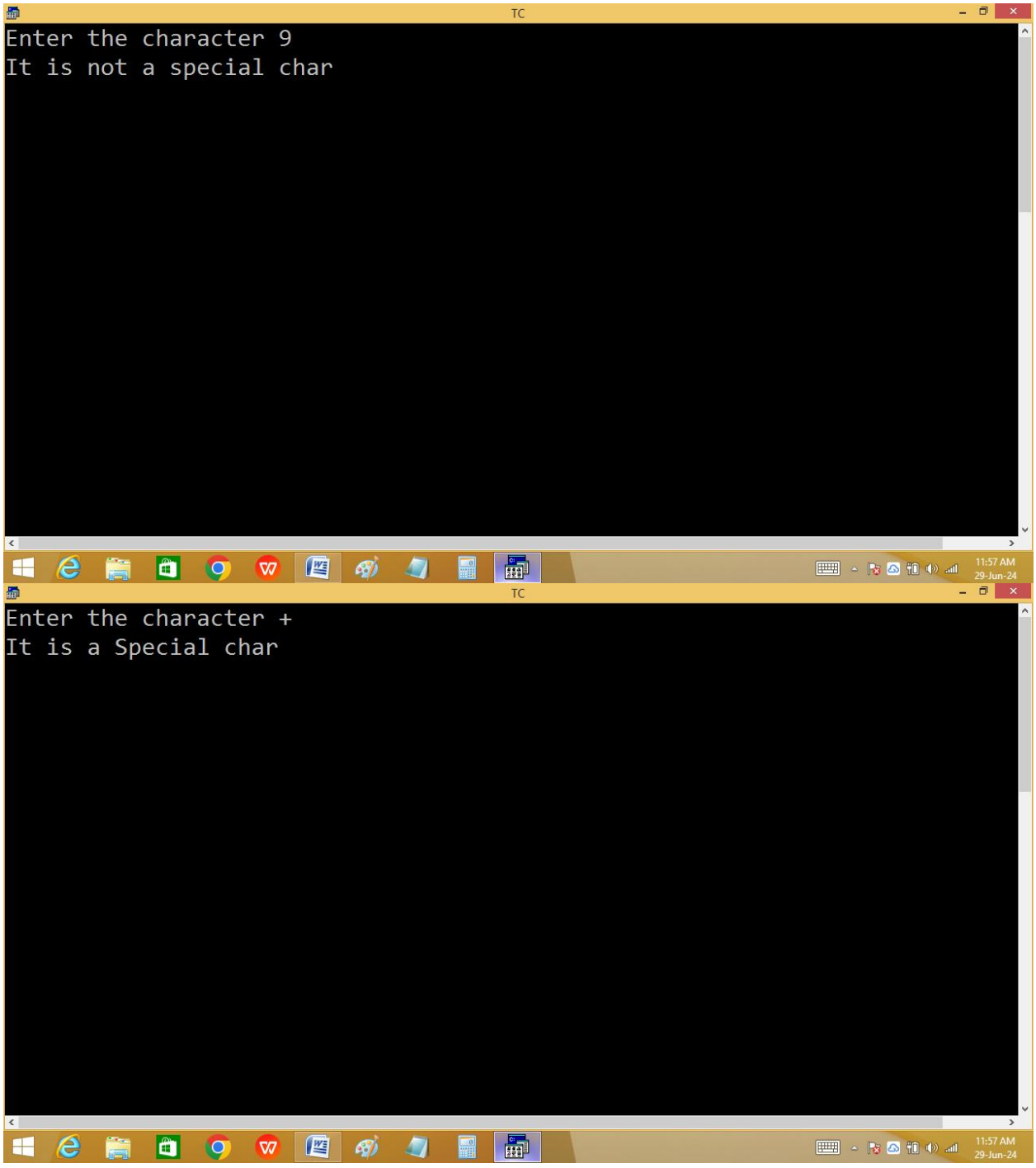

TC
Enter the number -45
It is a 2 digit no
TC
Enter the number 99
It is a 2 digit no



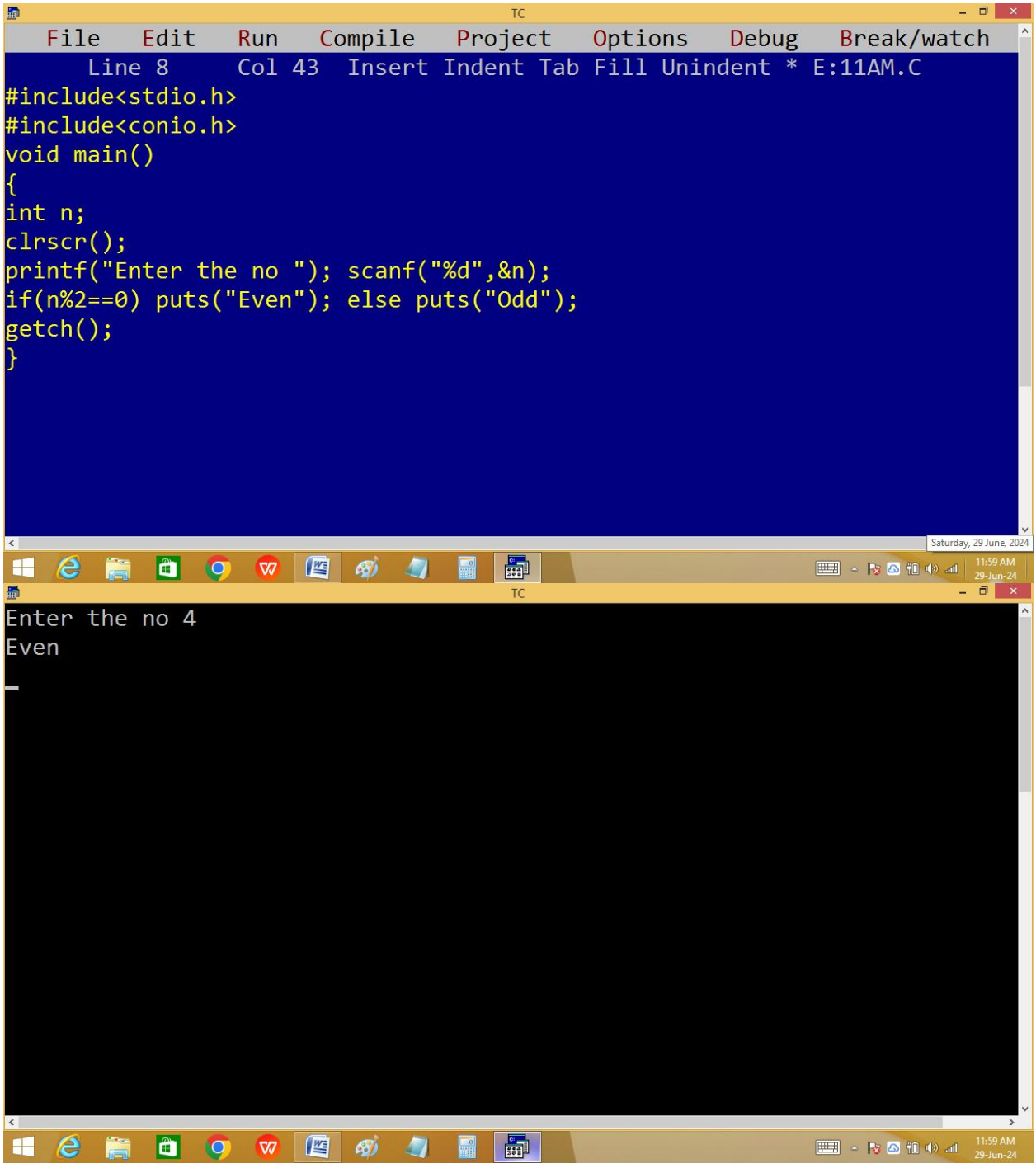
Finding special char or not.

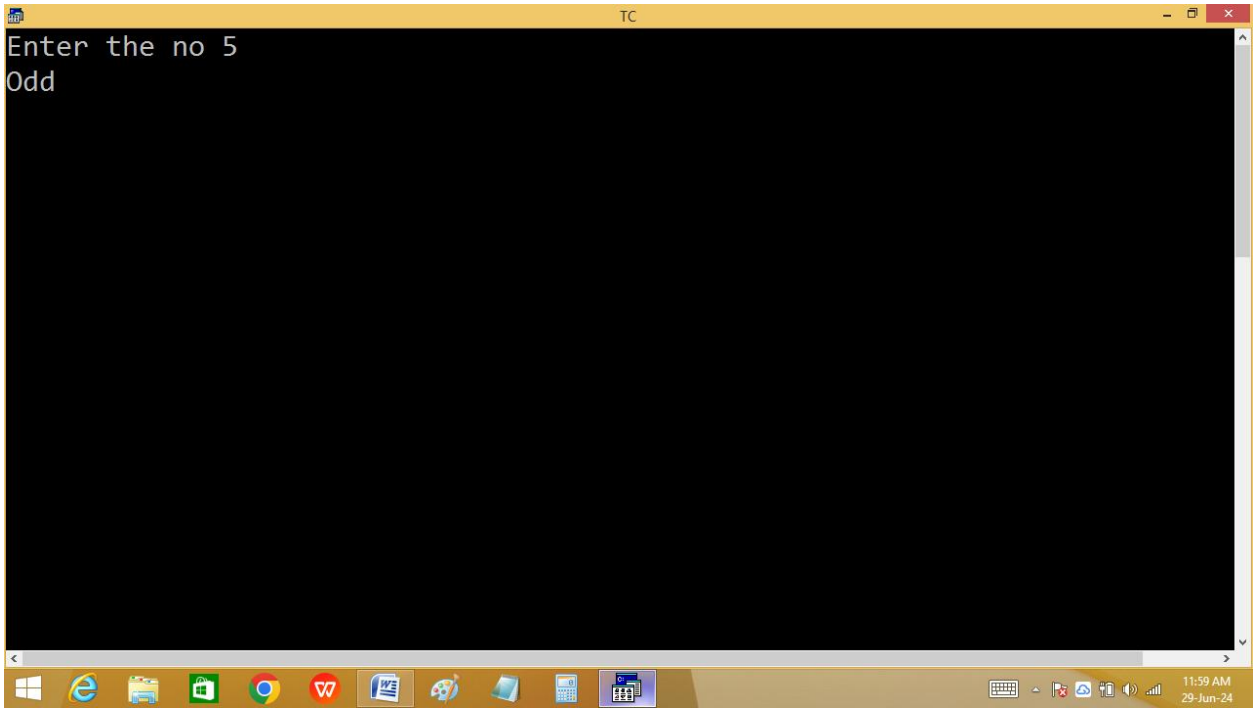

TC
File Edit Run Compile Project Options Debug Break/watch
Line 10 Col 32 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
char c;
clrscr();
printf("Enter the character "); scanf("%c",&c);
if(c>='a' &&c<='z' || c>='A'&&c<='Z'||c>='0'&&c<='9')
puts("It is not a special char");
else puts("It is a Special char");
getch();
}
11:56 AM
29-Jun-24
TC
Enter the character d
It is not a special char
11:57 AM
29-Jun-24


TC
Enter the character #
It is a Special char
TC
Enter the character H
It is not a special char

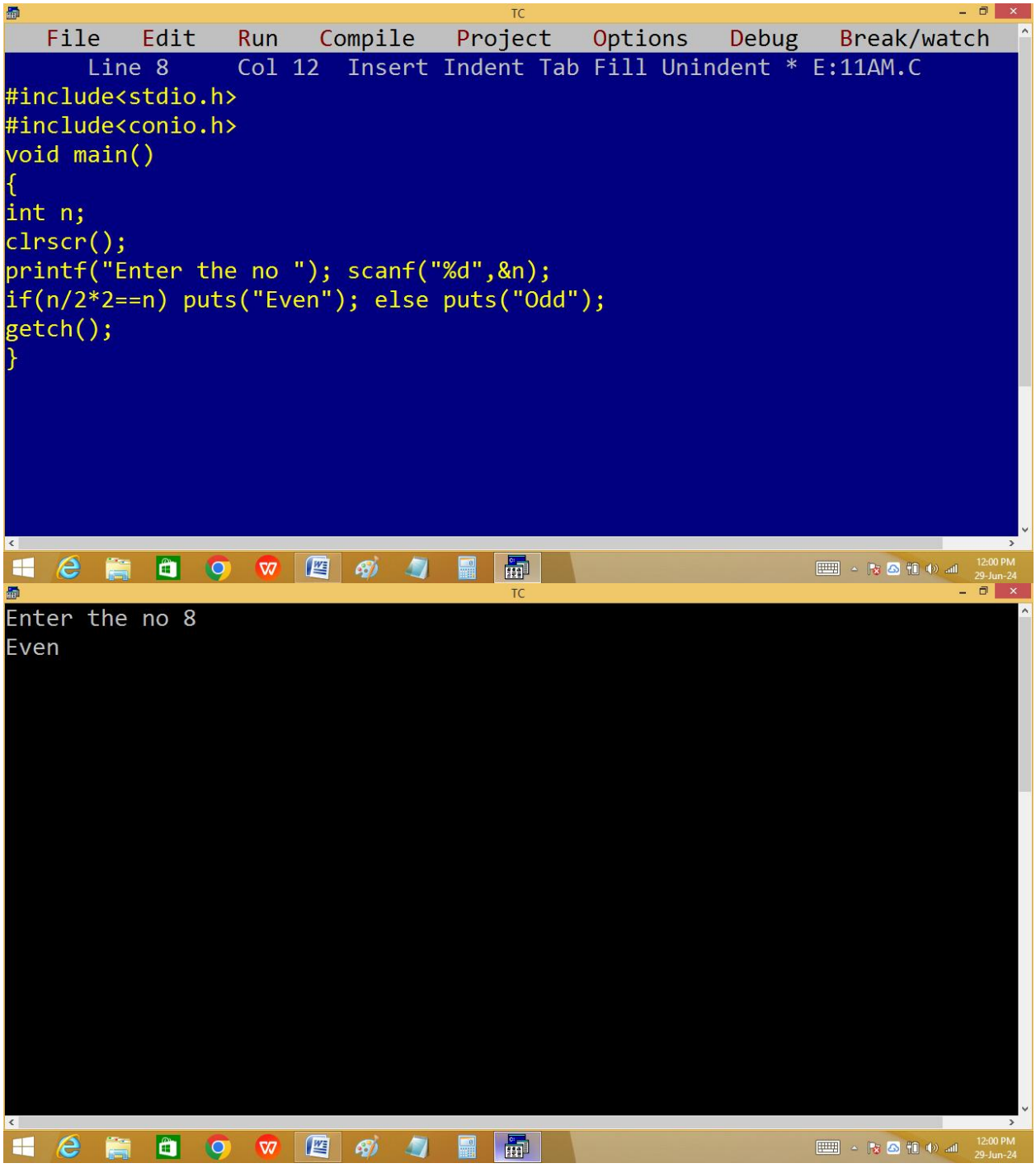


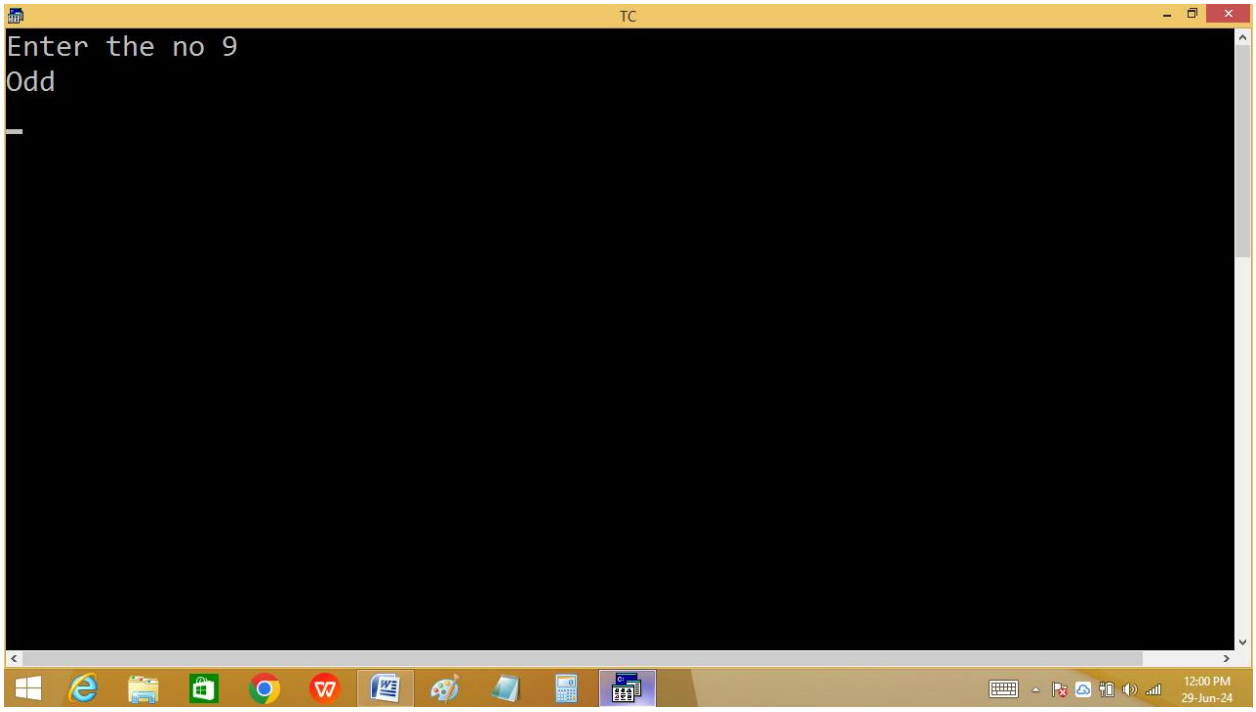
Finding even/odd:


TC
File Edit Run Compile Project Options Debug Break/watch
Line 8 Col 43 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter the no "); scanf("%d",&n);
if(n%2==0) puts("Even"); else puts("Odd");
getch();
}
Saturday, 29 June, 2024
11:59 AM
29-Jun-24
TC
Enter the no 4
Even
11:59 AM
29-Jun-24

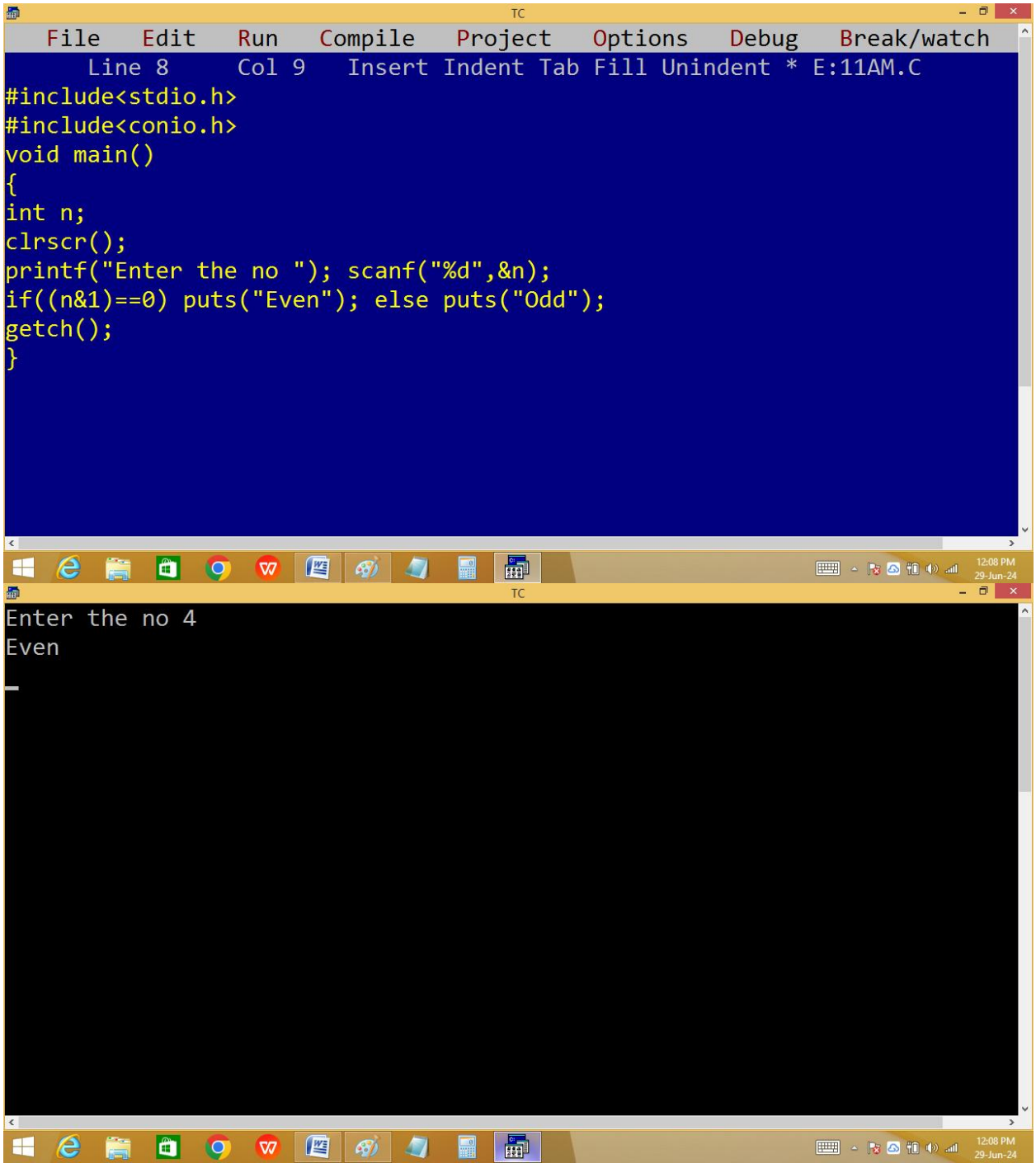


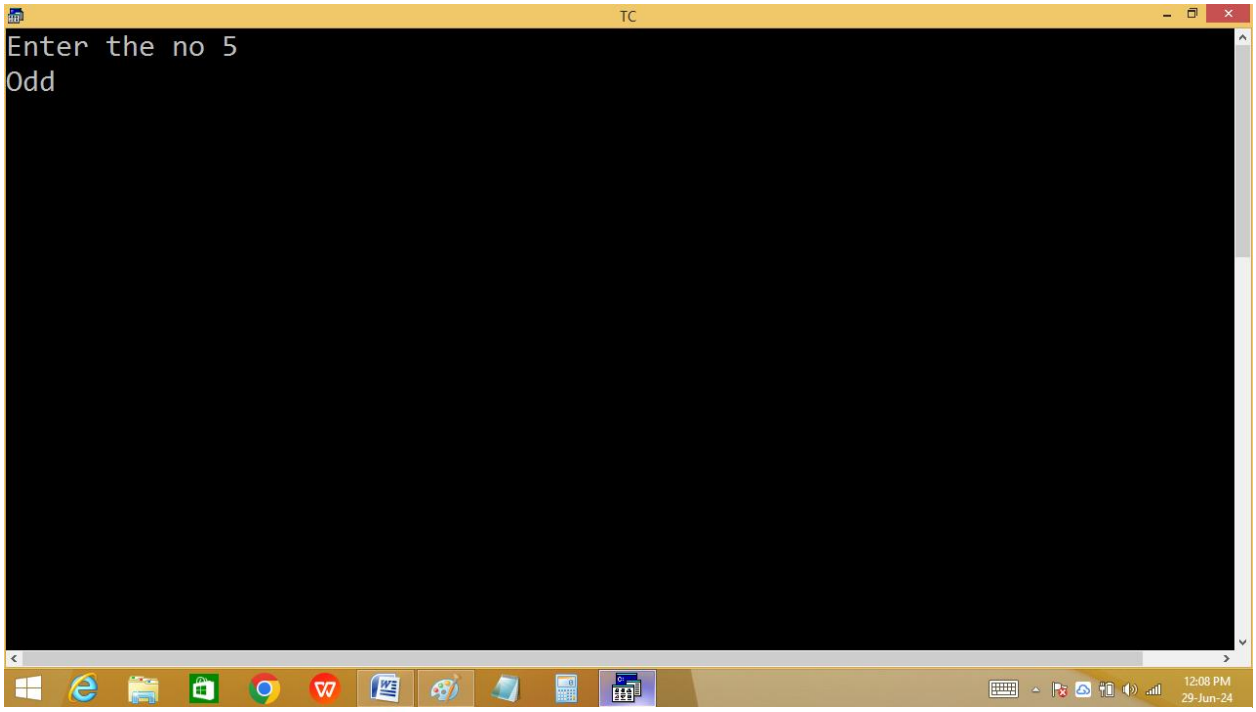
Without using %:

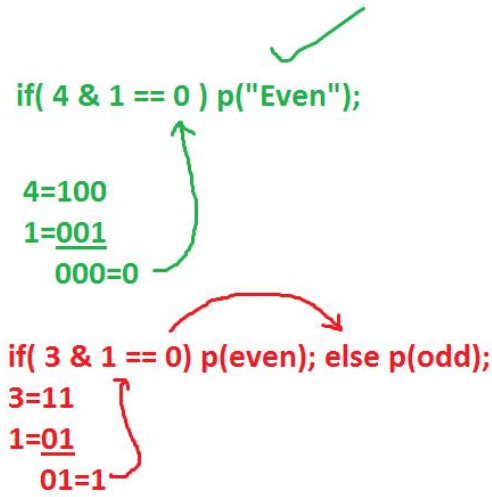

TC
File Edit Run Compile Project Options Debug Break/watch
Line 8 Col 12 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter the no "); scanf("%d",&n);
if(n/2*2==n) puts("Even"); else puts("Odd");
getch();
}
12:00 PM
29-Jun-24
TC
Enter the no 8
Even
12:00 PM
29-Jun-24

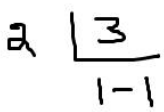


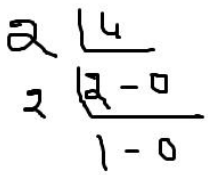
Without using arithmetic operators:


TC
File Edit Run Compile Project Options Debug Break/watch
Line 8 Col 9 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter the no "); scanf("%d",&n);
if((n&1)==0) puts("Even"); else puts("Odd");
getch();
}
TC
Enter the no 4
Even



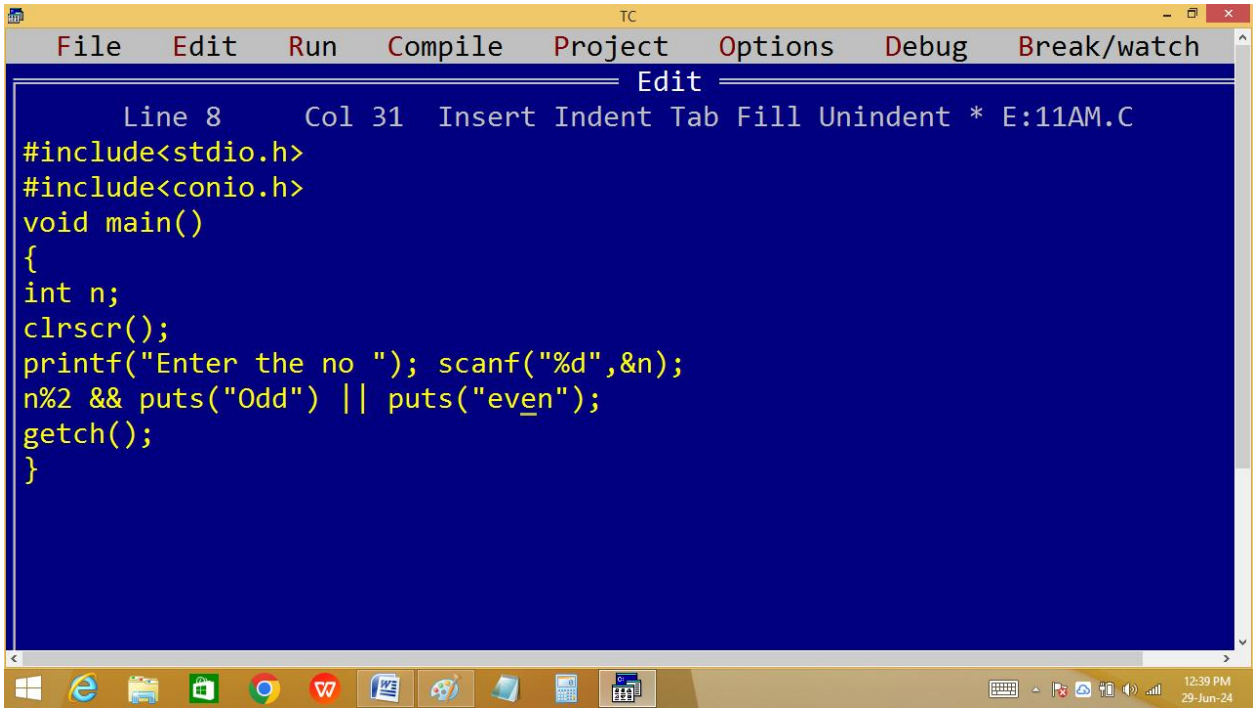


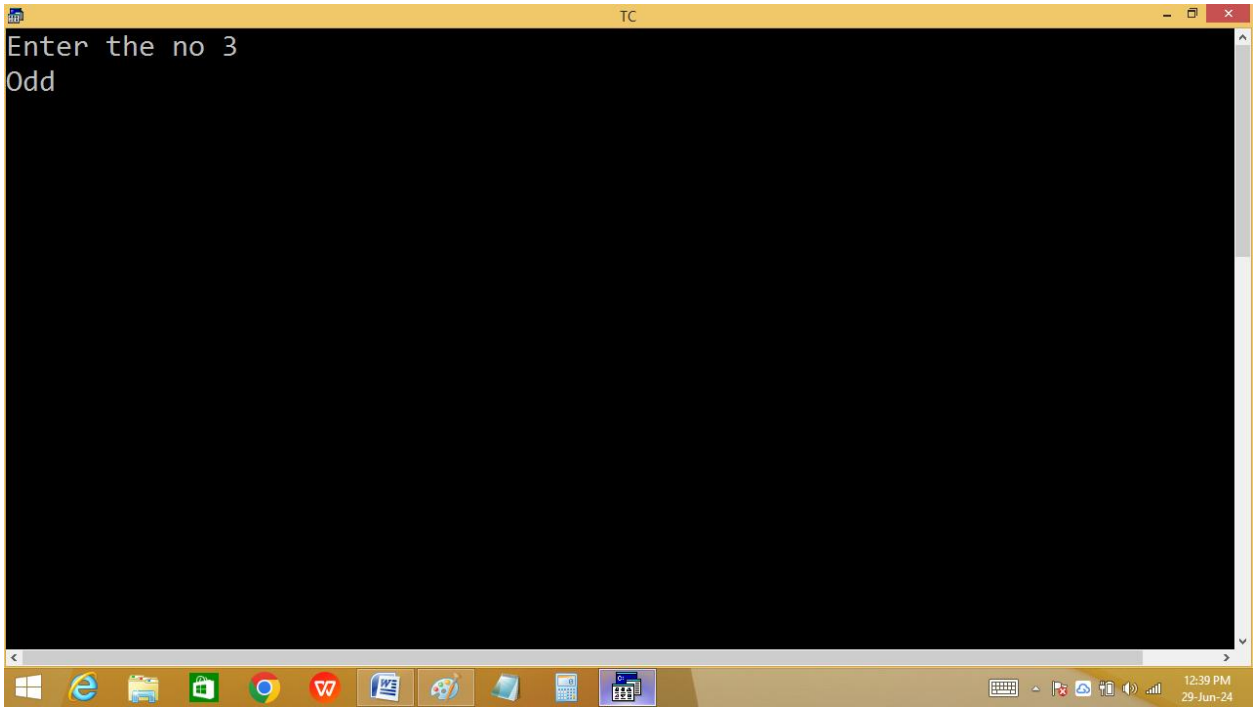


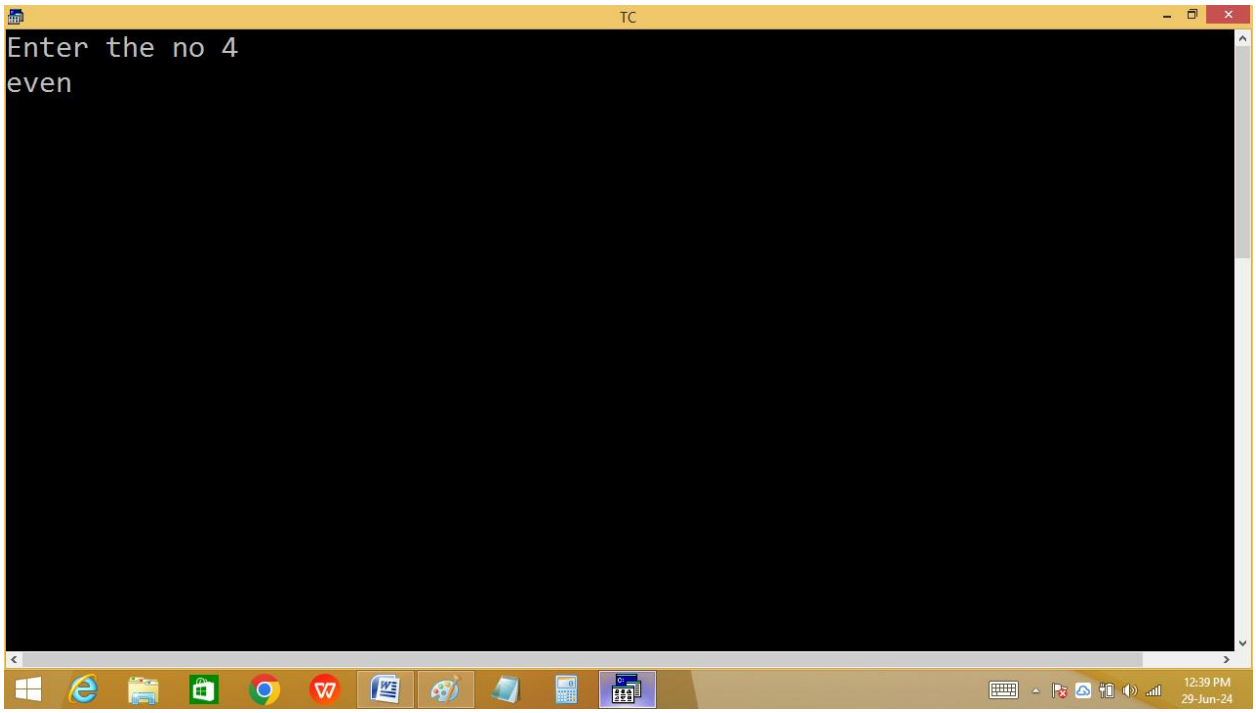


Finding even/odd without using if..else or ternary:

puts(n%2 && ”Odd”||”Even”);


TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 8 Col 31 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter the no "); scanf("%d",&n);
n%2 && puts("Odd") || puts("even");
getch();
}
12:39 PM
29-Jun-24


TC
Enter the no 3
Odd
12:39 PM
29-Jun-24



Print the table without using loop:

For example 2nd table

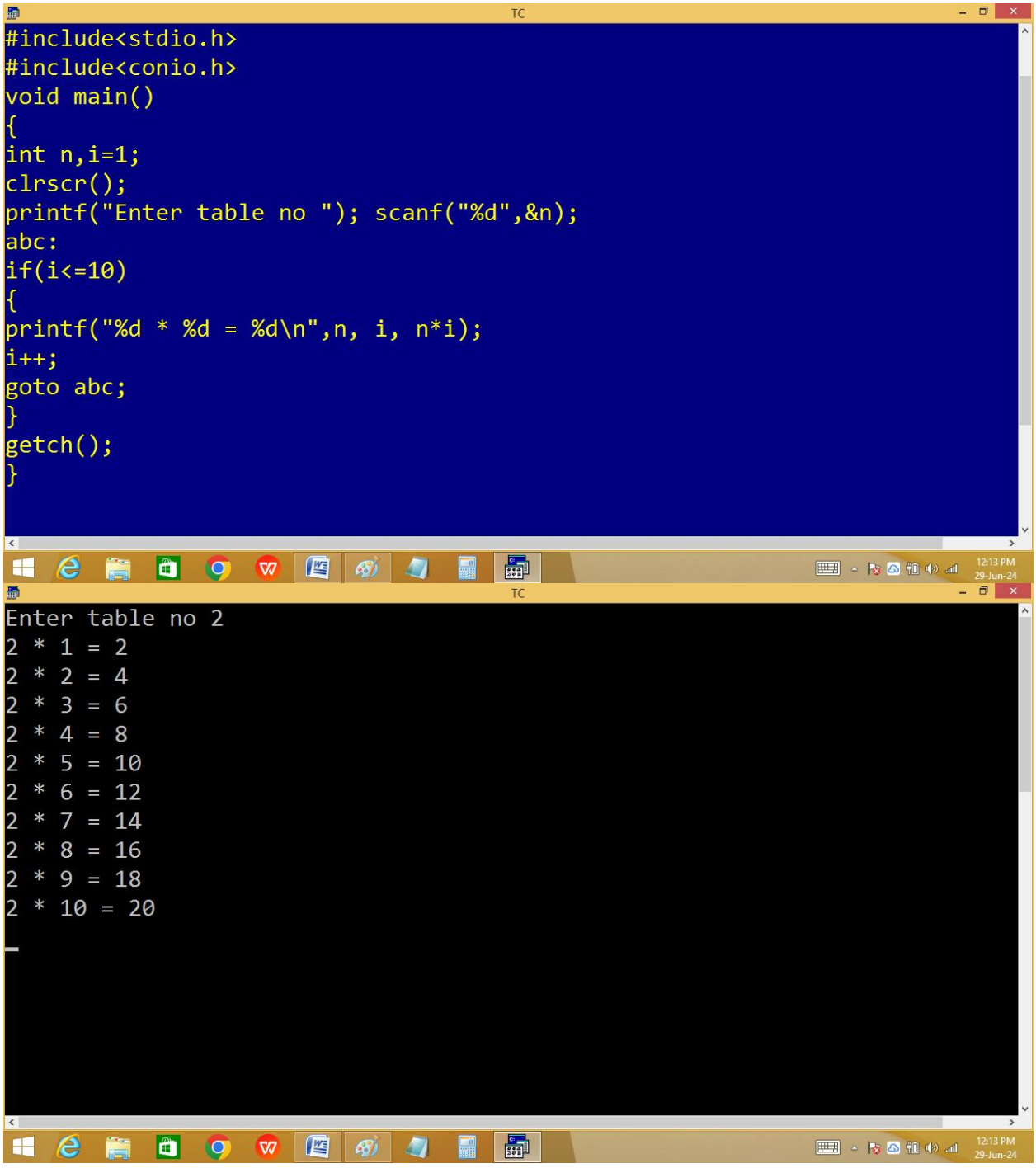
2*1=2

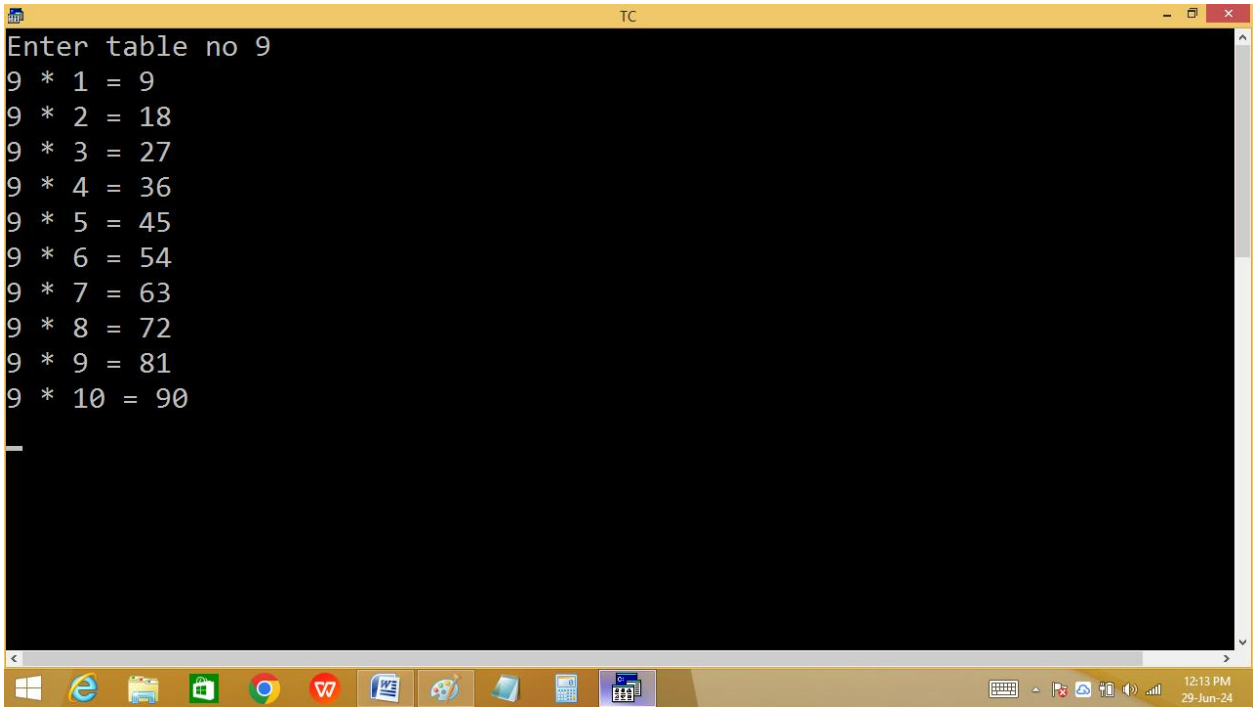
2*2=4

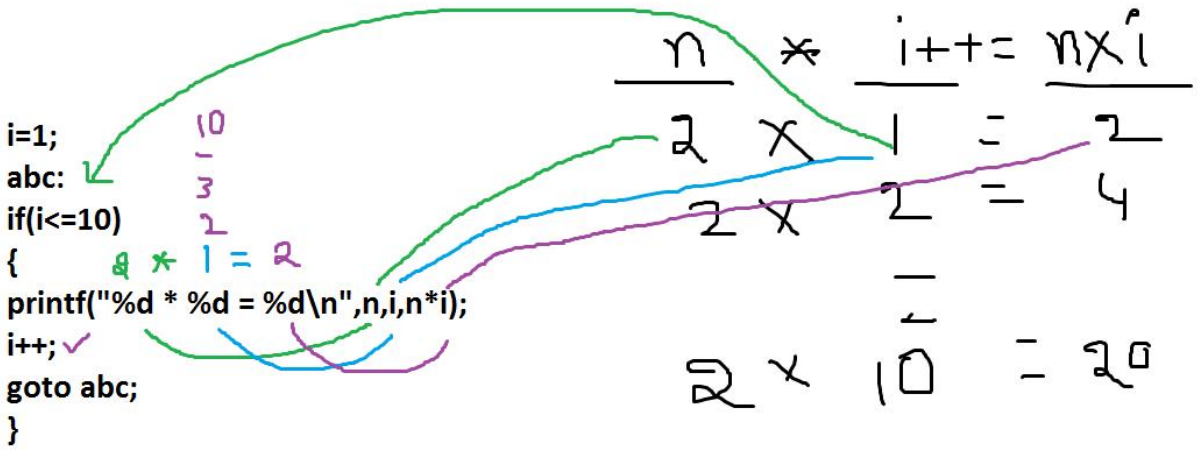
….

….

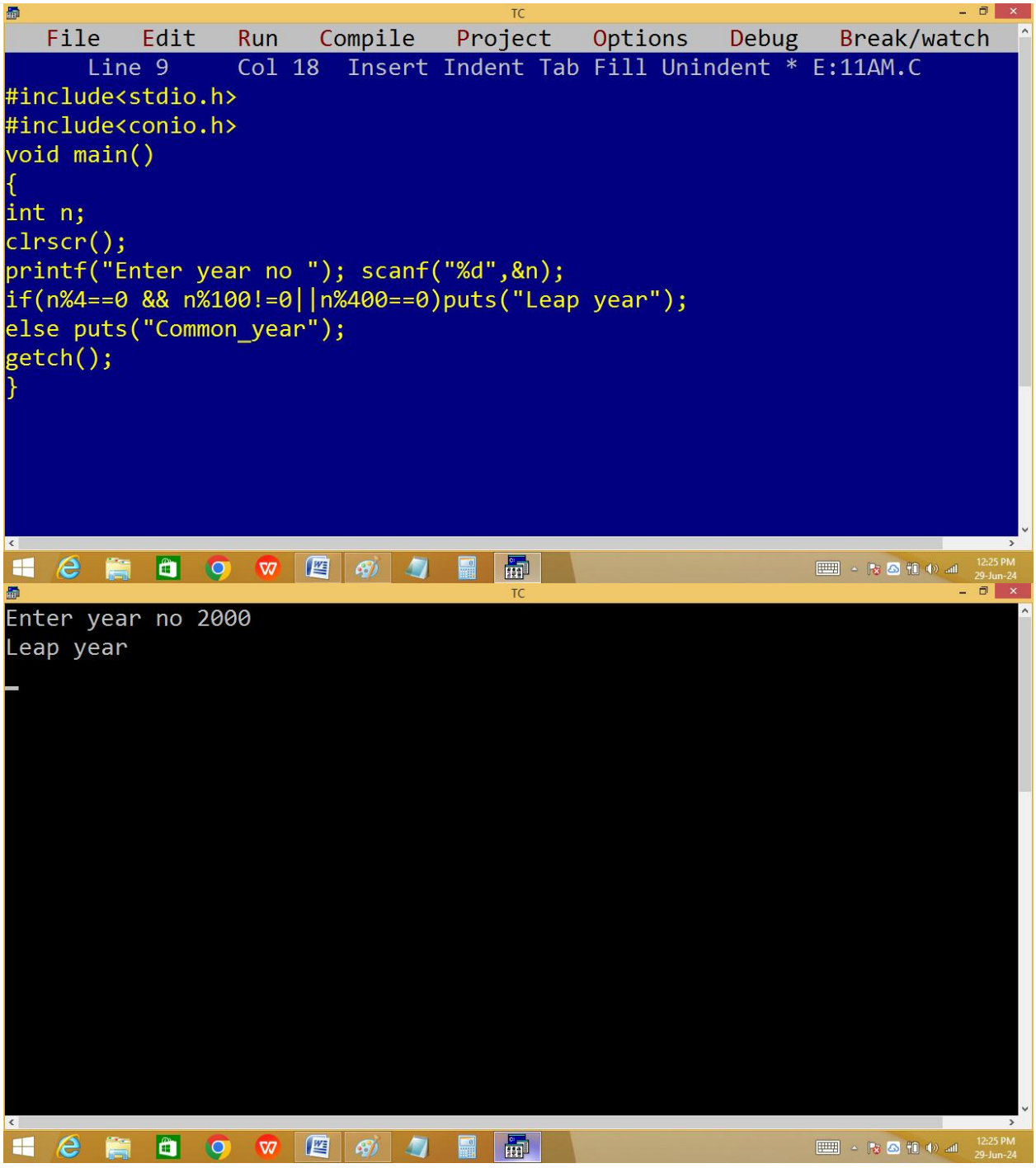
2*10=20

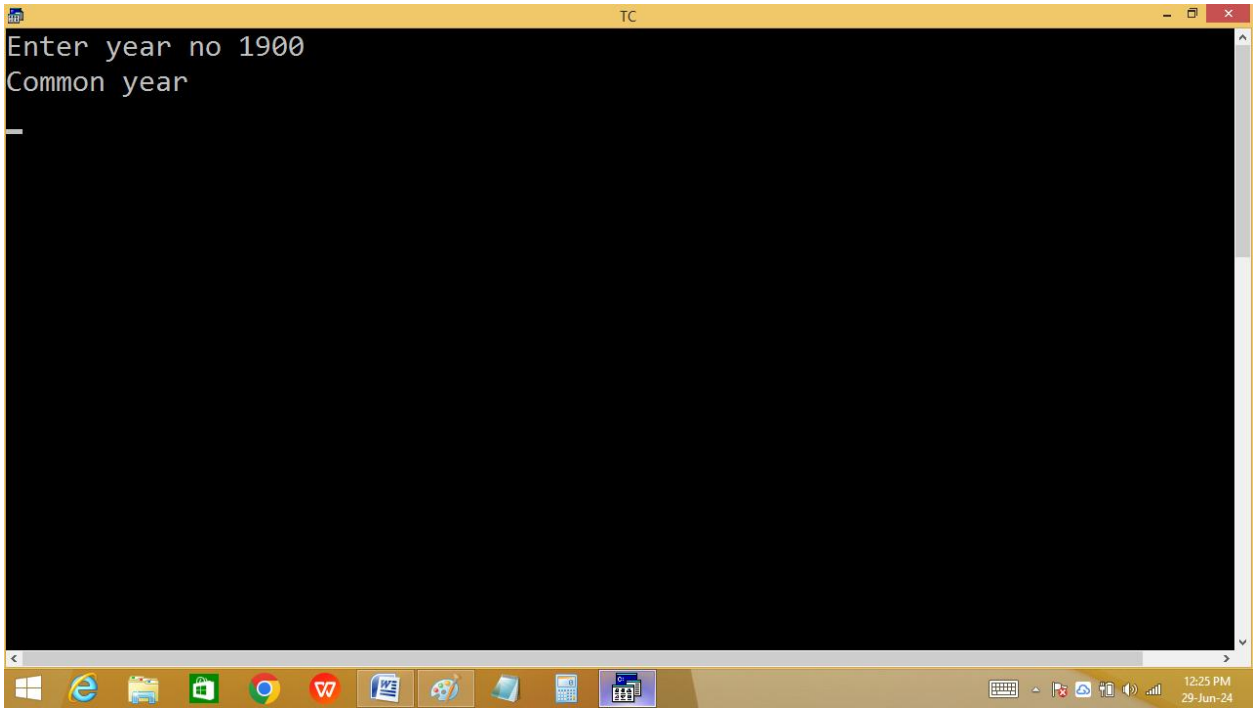

TC
#include<stdio.h>
#include<conio.h>
void main()
{
int n,i=1;
clrscr();
printf("Enter table no "); scanf("%d",&n);
abc:
if(i<=10)
{
printf("%d * %d = %d\n",n, i, n*i);
i++;
goto abc;
}
getch();
}
TC
Enter table no 2
2 * 1 = 2
2 * 2 = 4
2 * 3 = 6
2 * 4 = 8
2 * 5 = 10
2 * 6 = 12
2 * 7 = 14
2 * 8 = 16
2 * 9 = 18
2 * 10 = 20

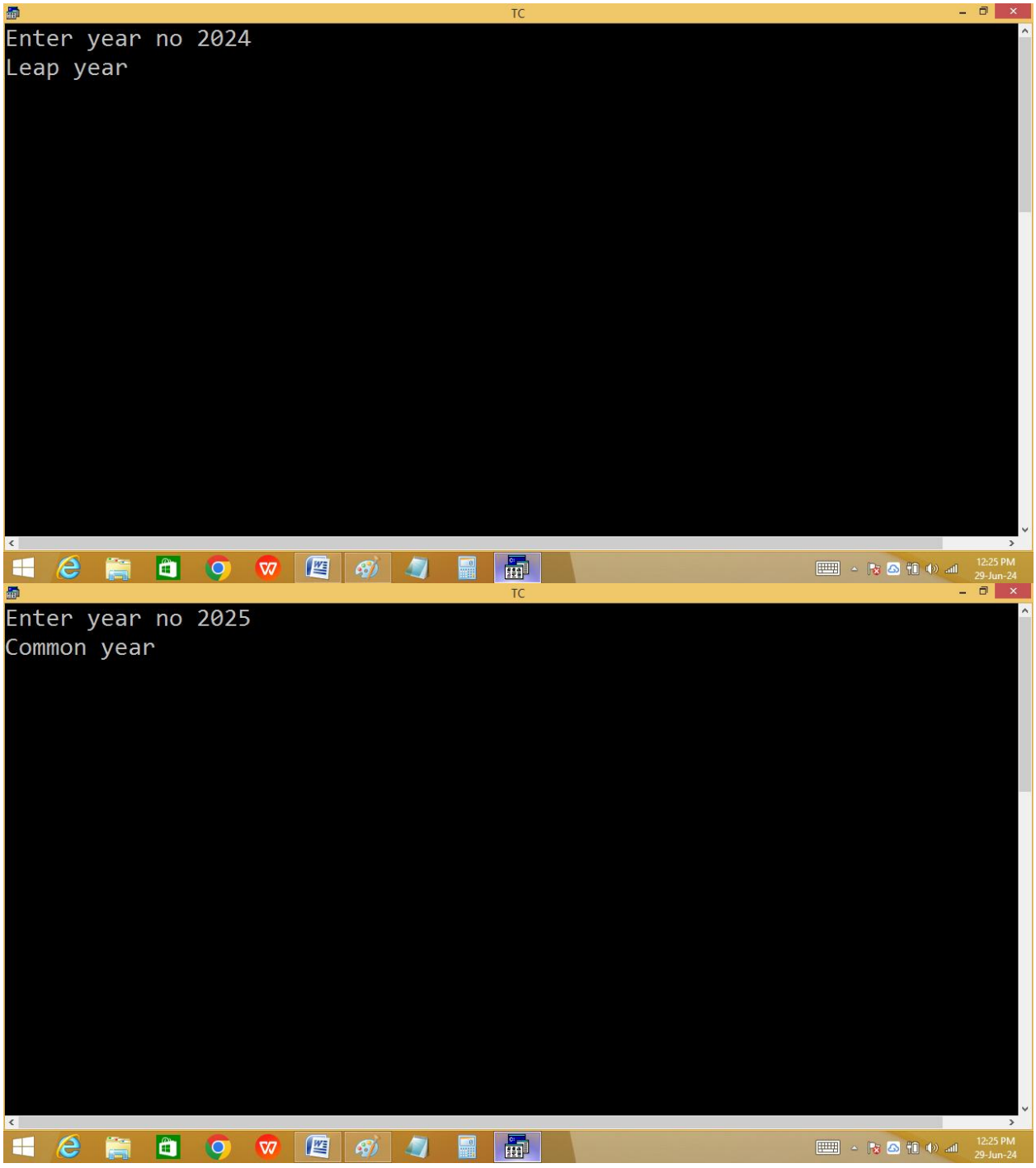




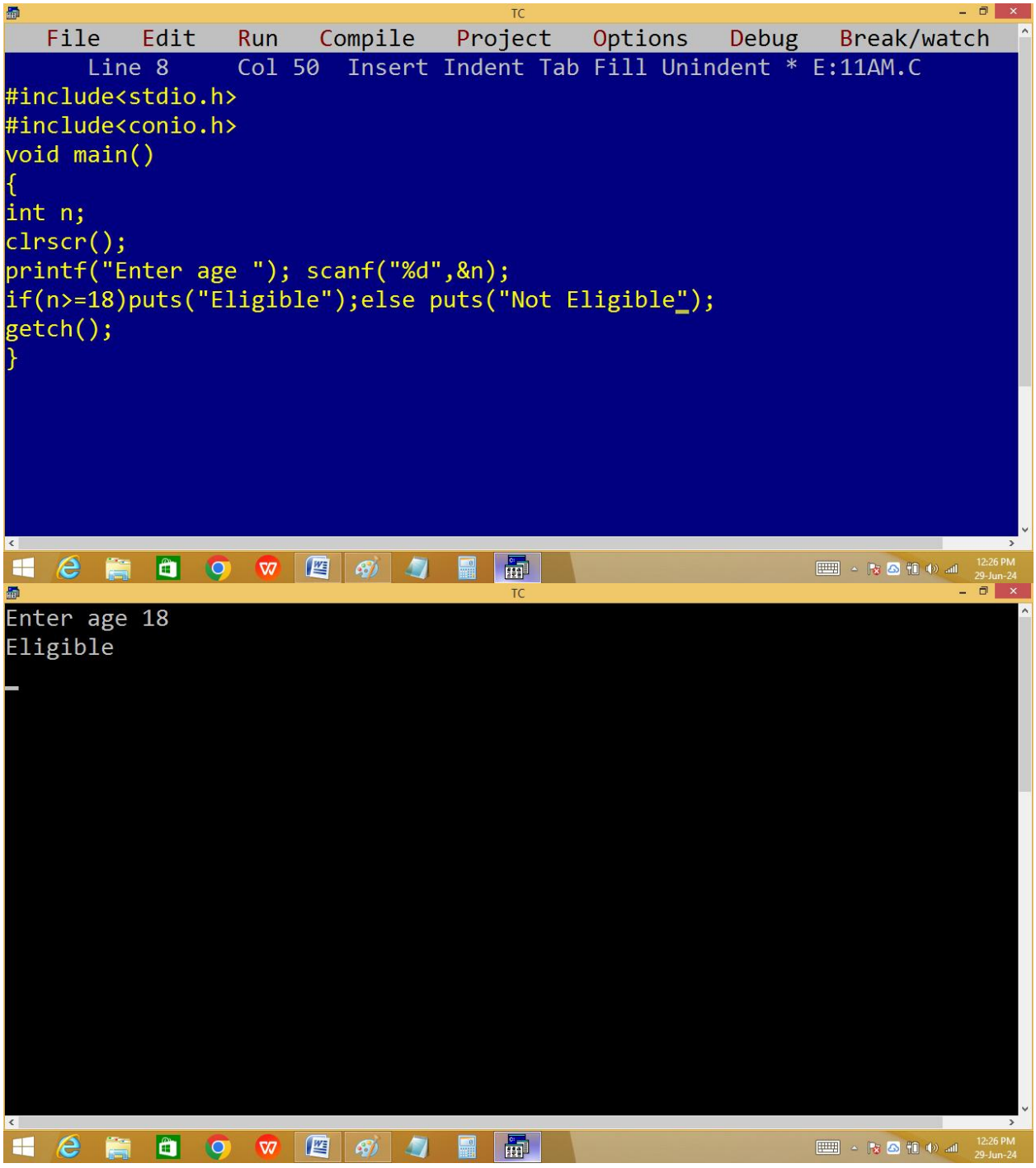
Finding leap / common year:

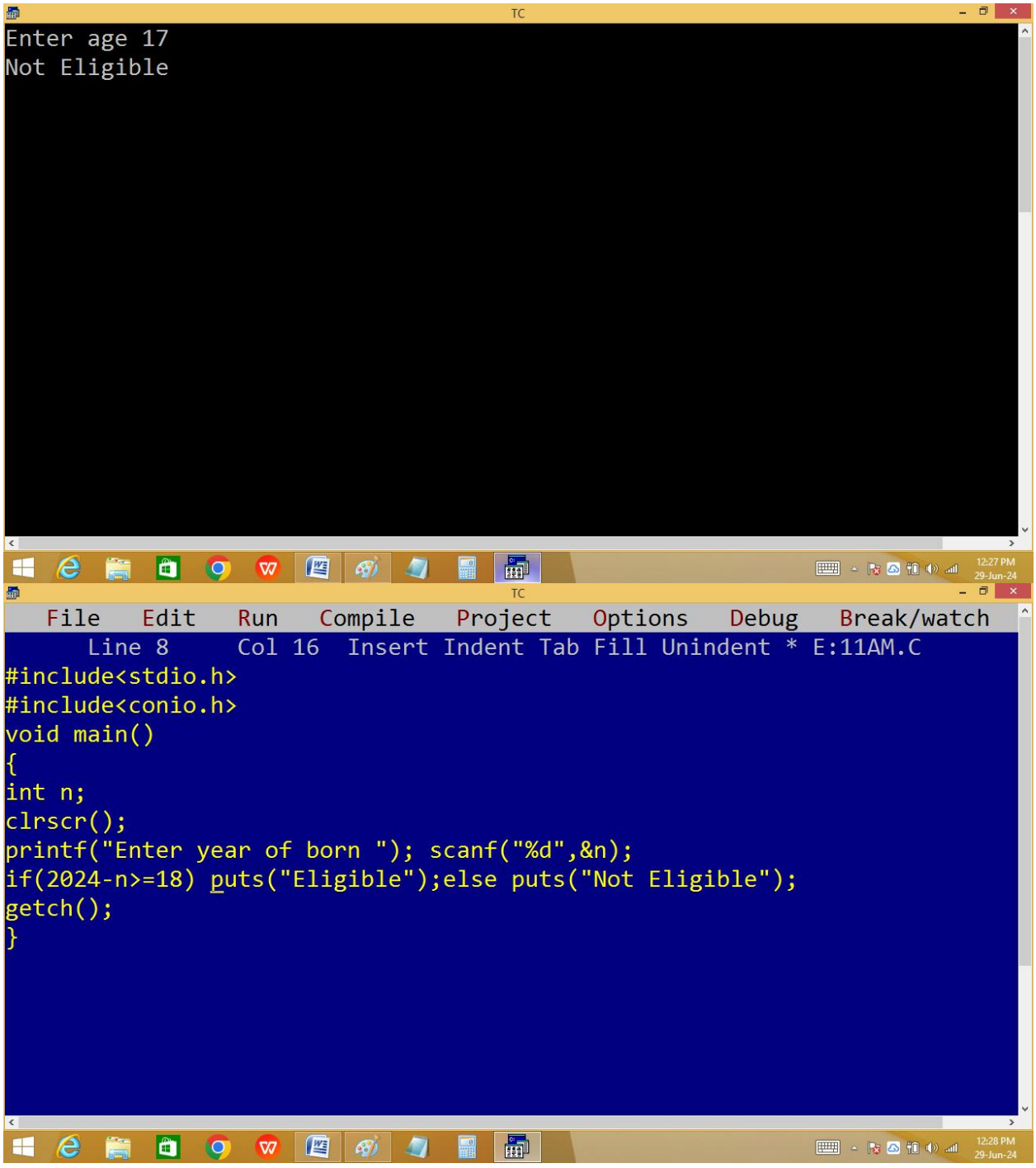

TC
File Edit Run Compile Project Options Debug Break/watch
Line 9 Col 18 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter year no "); scanf("%d",&n);
if(n%4==0 && n%100!=0||n%400==0)puts("Leap year");
else puts("Common_year");
getch();
}
TC
Enter year no 2000
Leap year

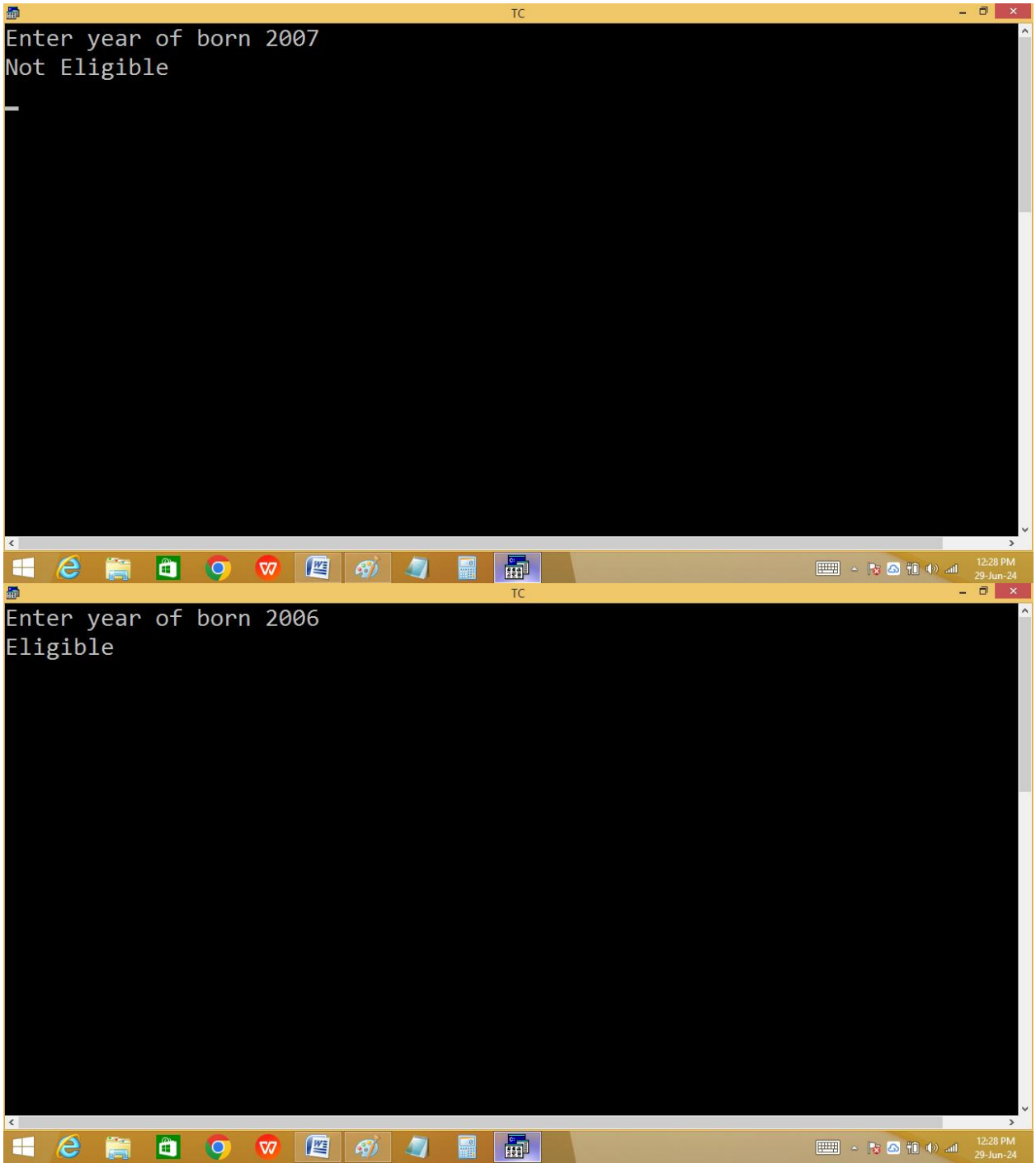

TC
Enter year no 1900
Common year
12:25 PM
29-Jun-24



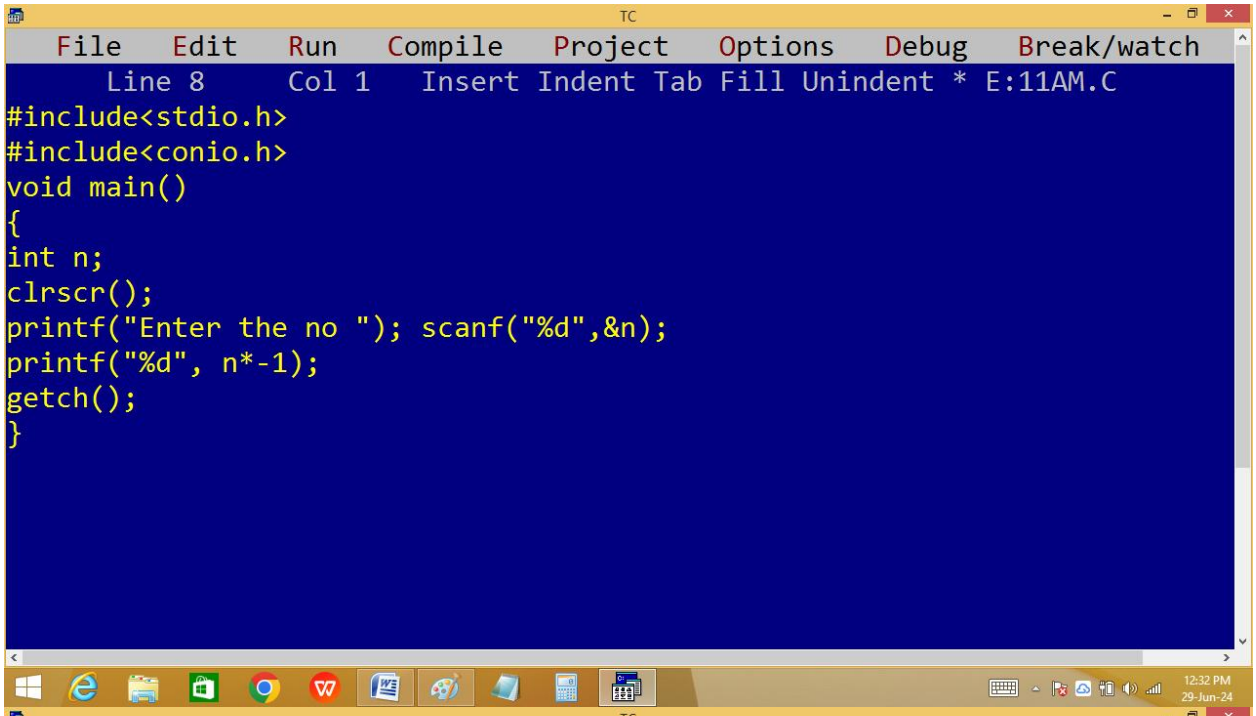
Finding voter eligibility:

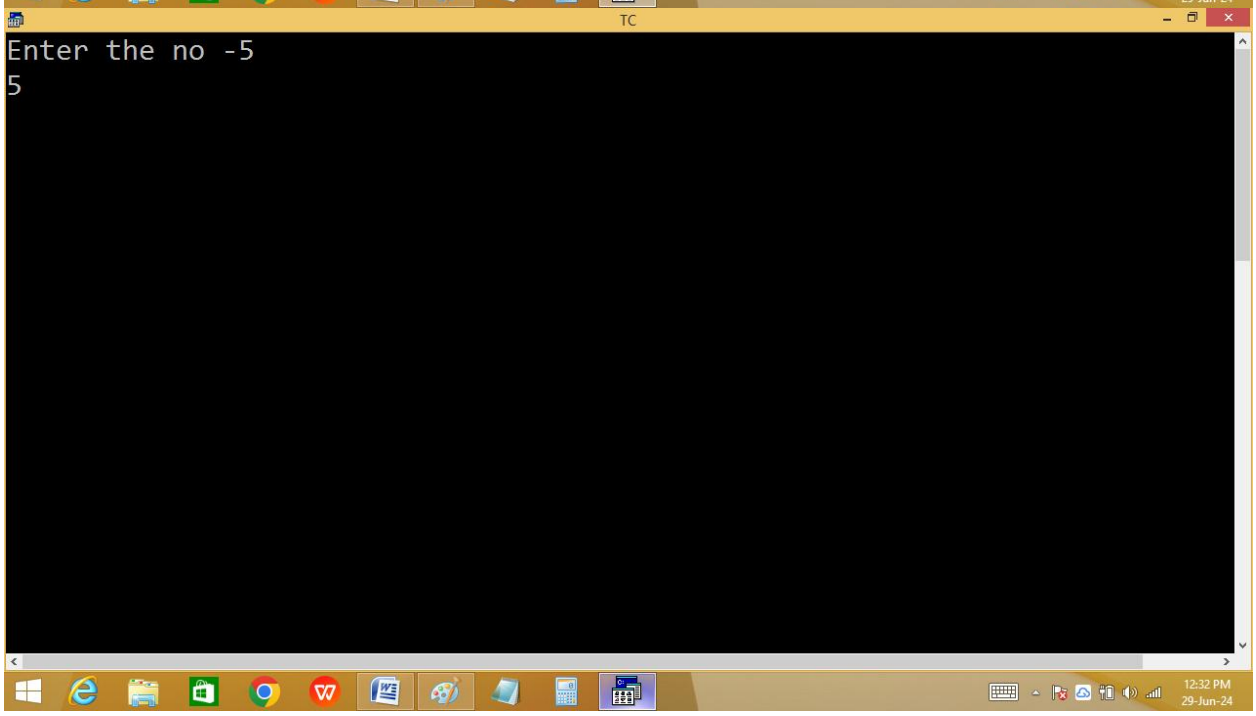

TC
File Edit Run Compile Project Options Debug Break/watch
Line 8 Col 50 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter age "); scanf("%d",&n);
if(n>=18)puts("Eligible");else puts("Not Eligible");
getch();
}
12:26 PM
29-Jun-24
TC
Enter age 18
Eligible
12:26 PM
29-Jun-24

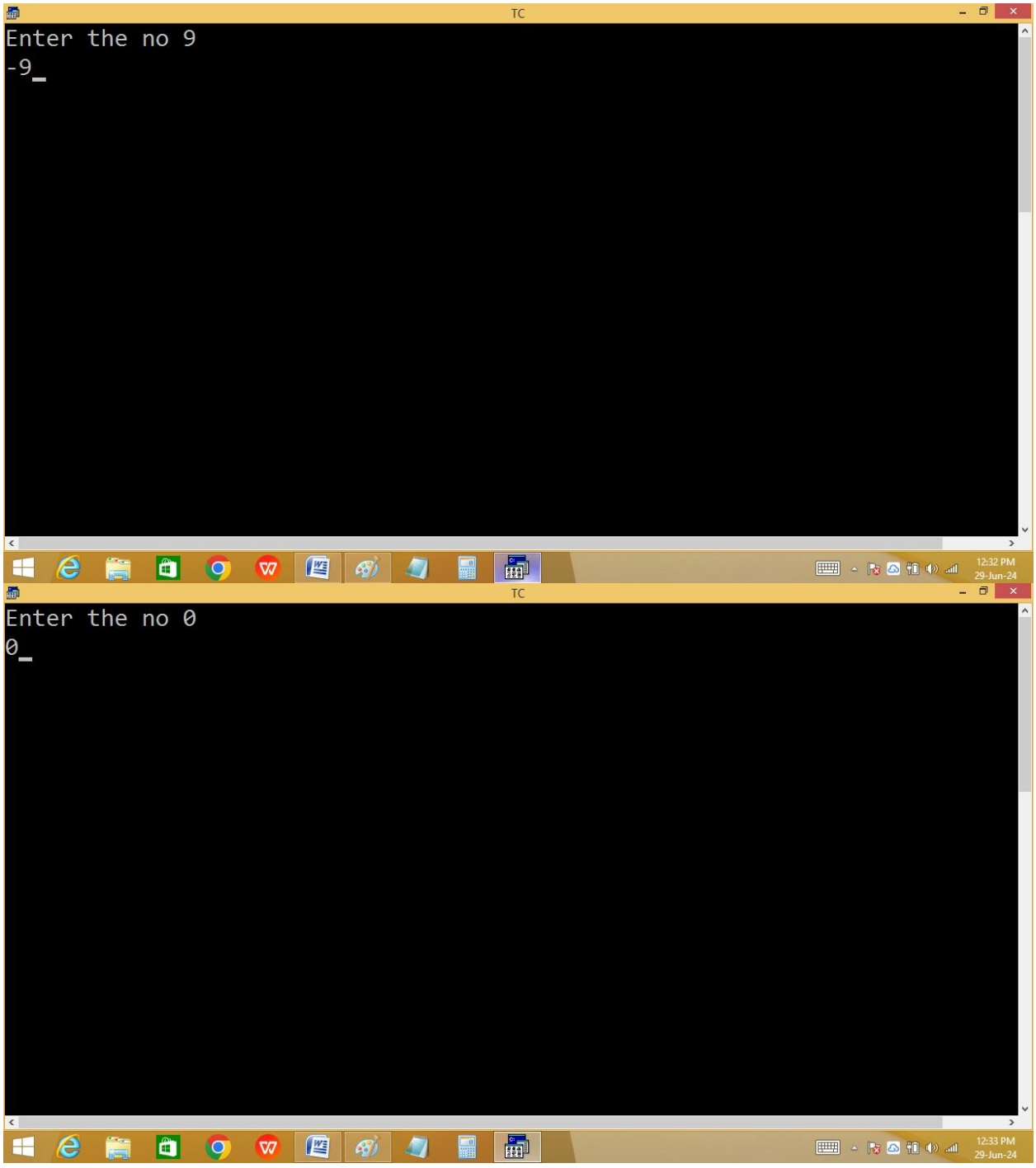

TC
Enter age 17
Not Eligible
TC
File Edit Run Compile Project Options Debug Break/watch
Line 8 Col 16 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter year of born "); scanf("%d",&n);
if(2024-n>=18) puts("Eligible");else puts("Not Eligible");
getch();
}


TC
Enter year of born 2007
Not Eligible
TC
Enter year of born 2006
Eligible

Read a no and convert the –ve to +ve and +ve.






TC
Enter the no 9
-9
12:32 PM
29-Jun-24
TC
Enter the no 0
0
12:33 PM
29-Jun-24

Home work: Finding the salesman gross salary using below table.

Sales >=100000	Sales<100000
Basic=10000	Basic=10000
Da=72.5% of basic	Da=72.5% of basic
Bonus=10000	Bonus=3000
Commission=10% of sales	Commission=5% of sales
Gross = basic + da + bonus + commission	