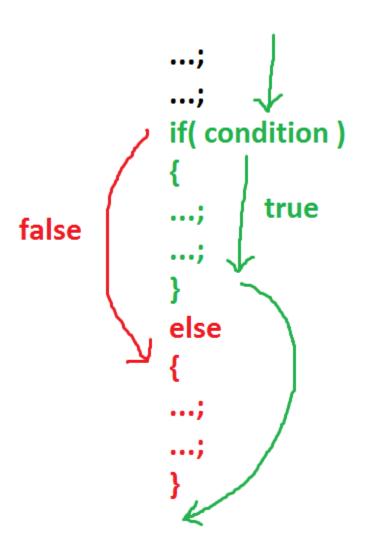
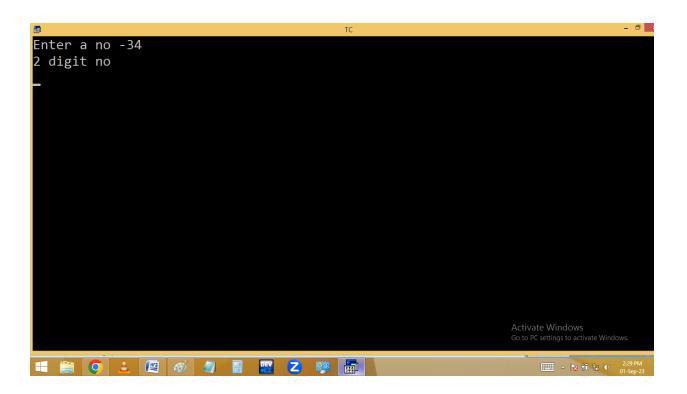
If..else: When the program is having 2 options / conditions and user have to select any one then go for if..else.

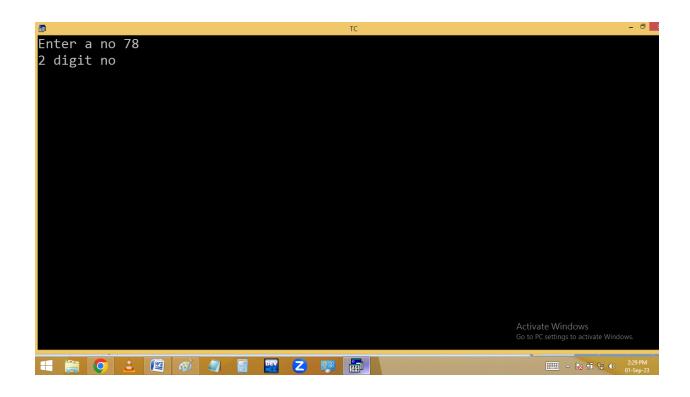
If condition true statements in if block { } are executed. If condition false statements in else block { } are executed.

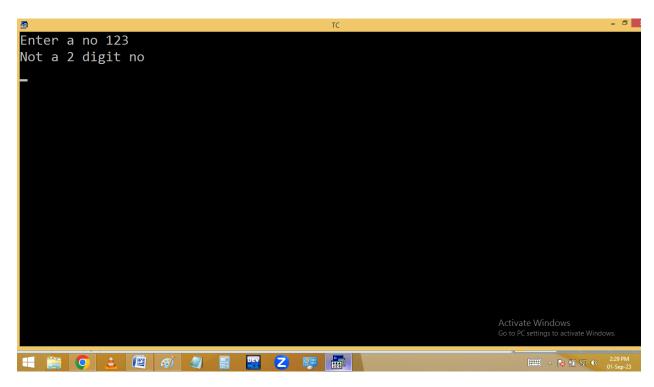


Write a program to find the given no is a 2 digit no or not.

```
File Edit Run Compile Project
                                    Options Debug Break/watch
                     Insert Indent Tab Fill Unindent * E:2PM.C
     Line 9
              Col 6
#include<stdio.h>
#include<conio.h>
void main()
int n;
clrscr();
printf("Enter a no "); scanf("%d",&n);
if(n>=10 && n<=99 || n<=-10 && n>=-99)puts("2 digit no");
else puts("Not a 2 digit no");
getch();
                                                                  P
                                                                  \ddot{\Box}
       2:29
                Friday
                September 1
```

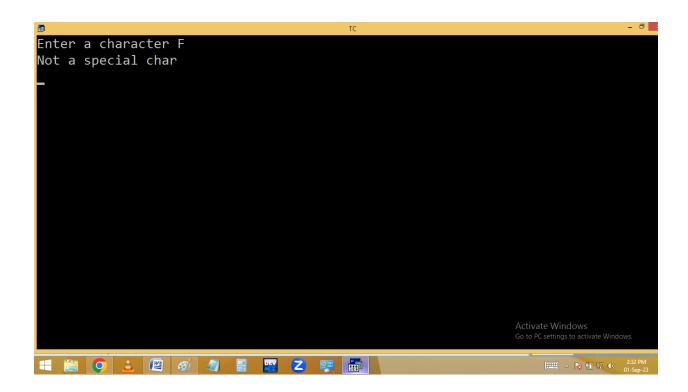


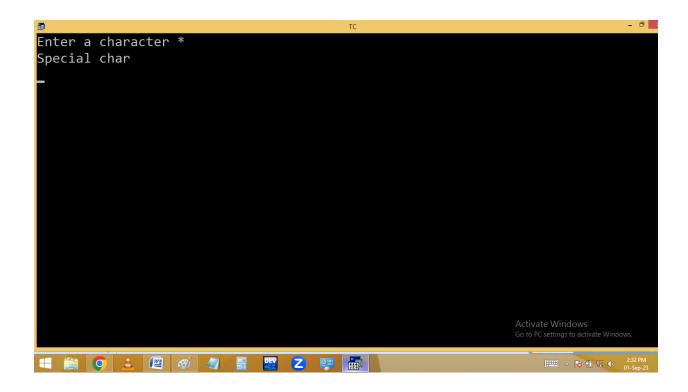


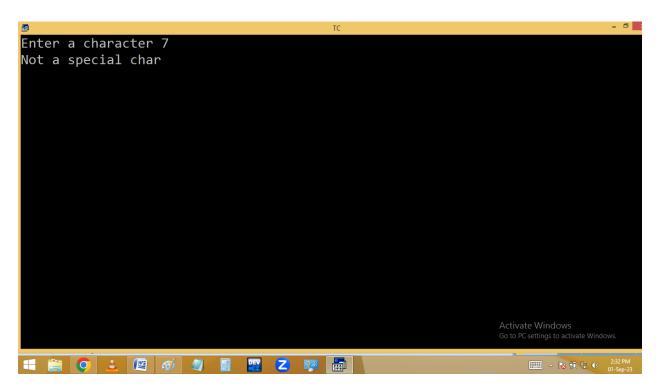


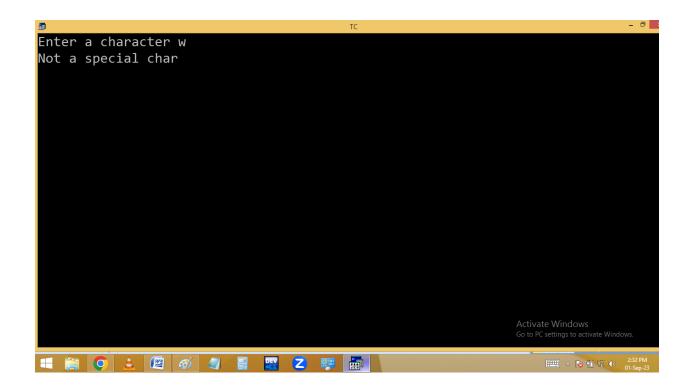
Write a c program to find special char or not.

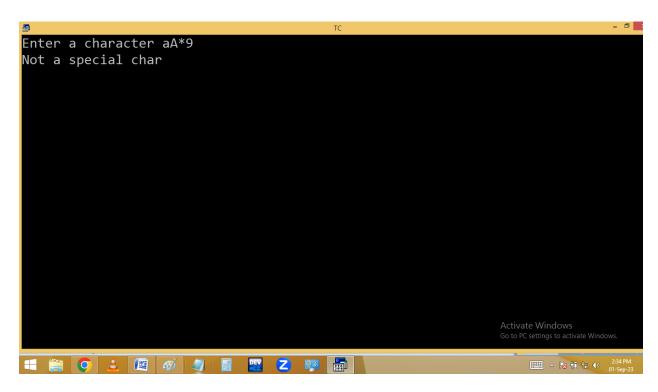
```
- 0
  File Edit
                     Compile
                              Project
                                       Options Debug Break/watch
               Run
               Col 24 Insert Indent Tab Fill Unindent * E:2PM.C
     Line 10
#include<stdio.h>
#include<conio.h>
void main()
char ch;
clrscr();
printf("Enter a character "); scanf("%c",&ch);
if(ch>='a'&&ch<='z'||ch>='A'&&ch<='Z'||ch>='0'&&ch<='9')
puts("Not a special char");
else puts("Special char");
getch();
_____ ^ 1 • • • 2:32 • 01-Sec
```





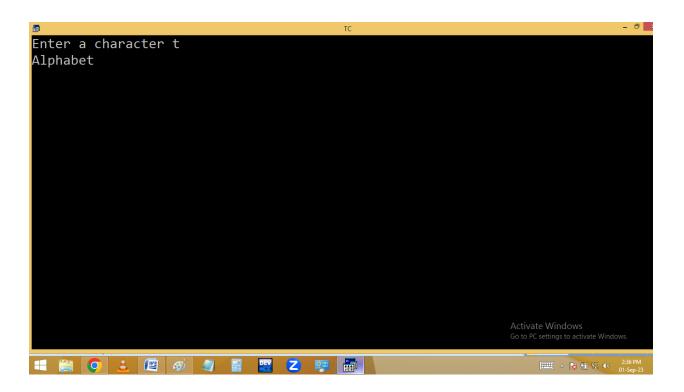


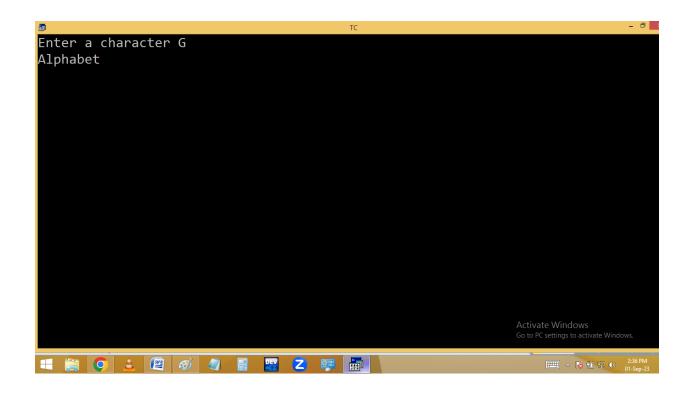


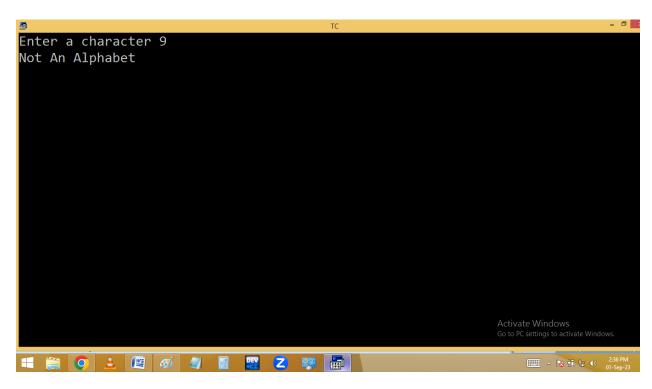


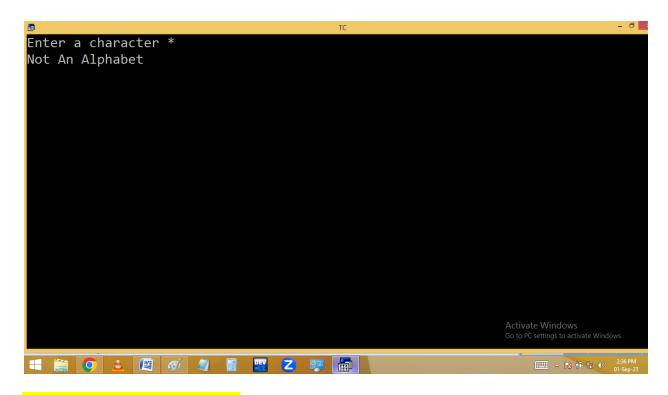
Finding alphabet or not

```
- 0
  File Edit Run
                   Compile Project
                                   Options Debug Break/watch
     Line 9
              Col 27 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
char ch;
clrscr();
printf("Enter a character "); scanf("%c",&ch);
if(ch>='a'&&ch<='z'||ch>='A'&&ch<='Z')puts("Alphabet");
else puts("Not An Alphabet");
getch();
```







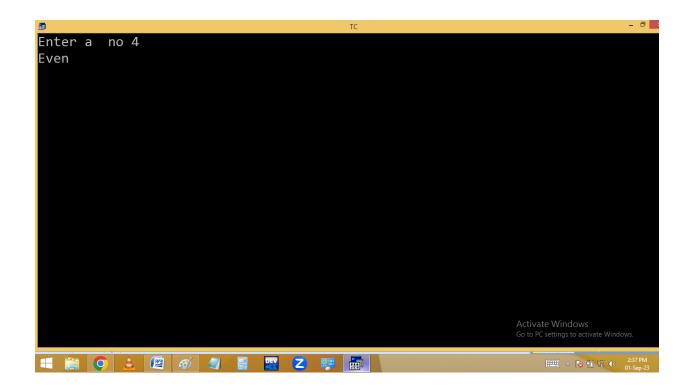


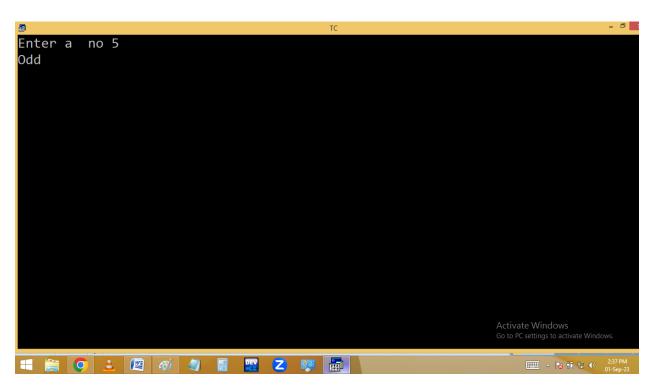
Finding Even/Odd

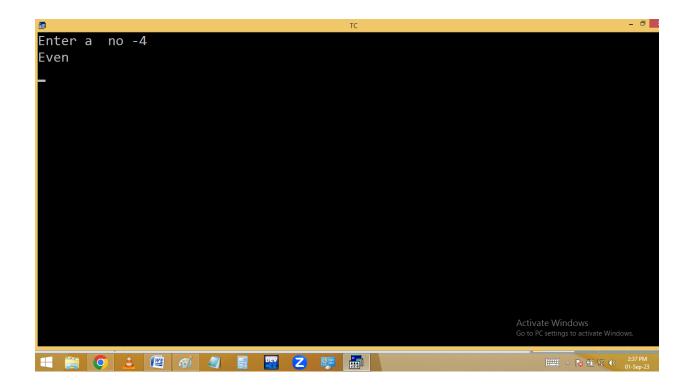
```
File Edit Run Compile Project Options Debug Break/watch
Line 9 Col 9 Insert Indent Tab Fill Unindent * E:2PM.C

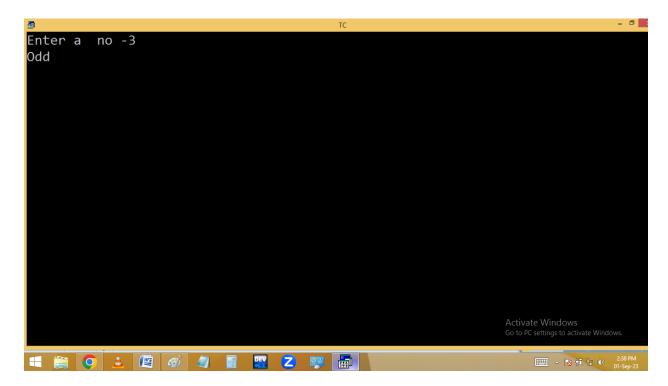
#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter a no "); scanf("%d",&n);
if(n%2==0)puts("Even"); else puts("Odd");
getch();_
}

Activate Windows
Go to PC settings to activate Windows.
```









Without using %

```
File Edit Run Compile Project Options Debug Break/watch

Line 8 Col 12 Insert Indent Tab Fill Unindent * E:2PM.C

#include<stdio.h>
#include<conio.h>
void main()
{

int n;

clrscr();

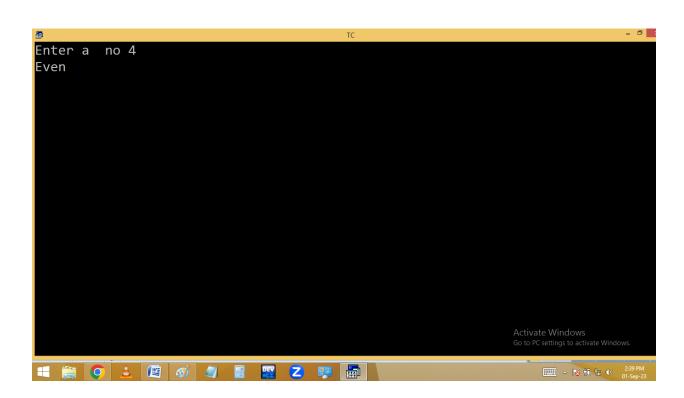
printf("Enter a no "); scanf("%d",&n);

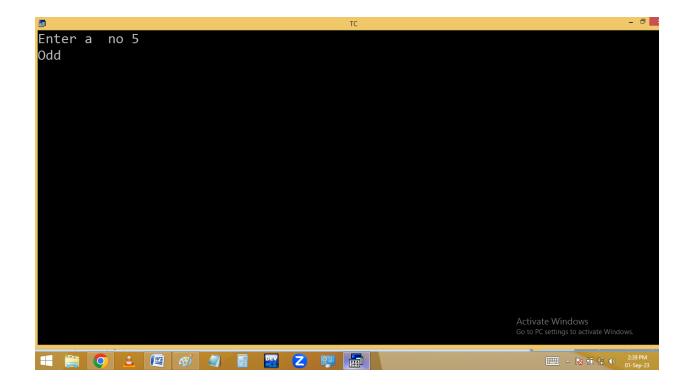
if(n/2*2==n)puts("Even"); else puts("Odd");

getch();
}

Activate Windows

Go to PC settings to activate Windows.
```





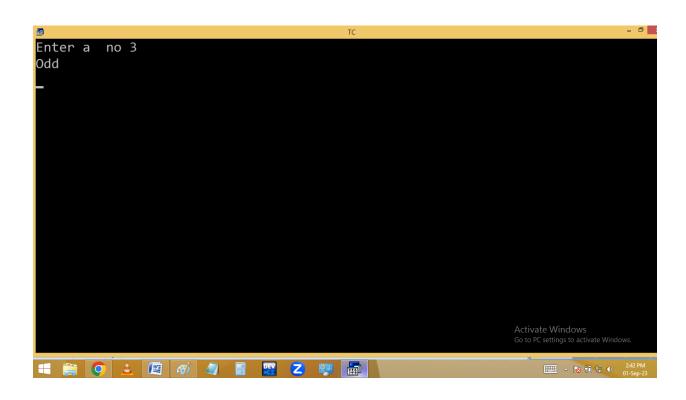
Without using arithmetic operators:

```
File Edit Run Compile Project Options Debug Break/watch

Line 8 Col 12 Insert Indent Tab Fill Unindent * E:2PM.C

#include<stdio.h>
#include<conio.h>
void main()
{
    int n;
    clrscr();
    printf("Enter a no "); scanf("%d",&n);
    if((n&1)==0)puts("Even"); else puts("Odd");
    getch();
}

Activate Windows
Go to PC settings to activate Windows.
```



```
Enter a no 4
Even
if( 3&1==0) p("Even"); else p("Odd");
   3=11
   1=01
if( 4&1==0) p("Even"); else p("Odd");
   4=100
   1=<u>001</u>
    000=0
```

Finding leap year / common year:

```
File Edit Run Compile Project Options Debug Break/watch

Line 8 Col 32 Insert Indent Tab Fill Unindent * E:2PM.C

#include<stdio.h>
#include<conio.h>
void main()
{

int n;

clrscr();

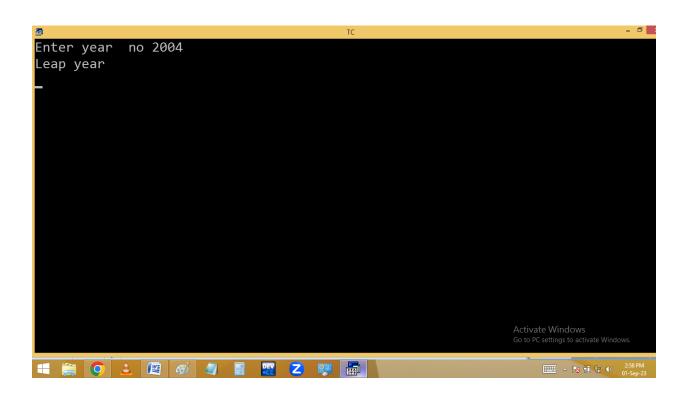
printf("Enter year no "); scanf("%d",&n);

if(n%4==0&&n%100!=0 || n%400==0)puts("Leap year"); else puts("Common Year");

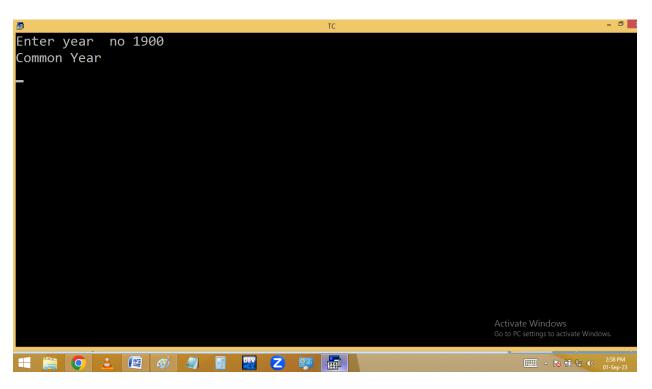
getch();
}

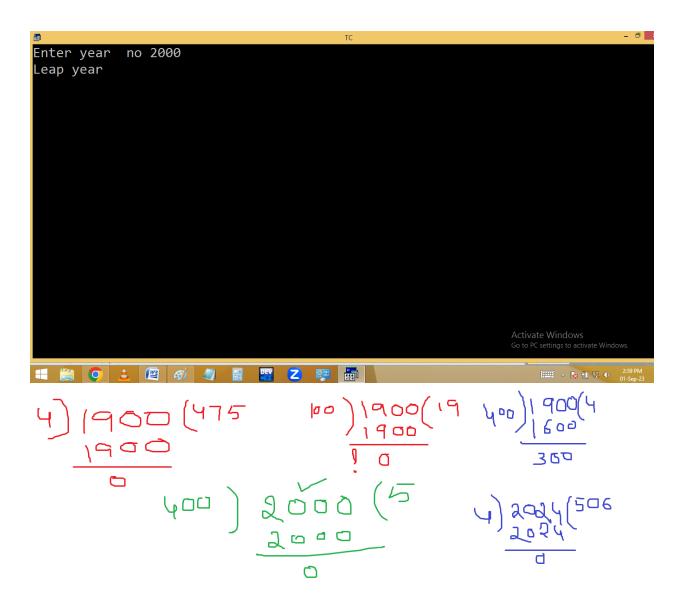
Activate Windows

Go to PC settings to activate Windows.
```





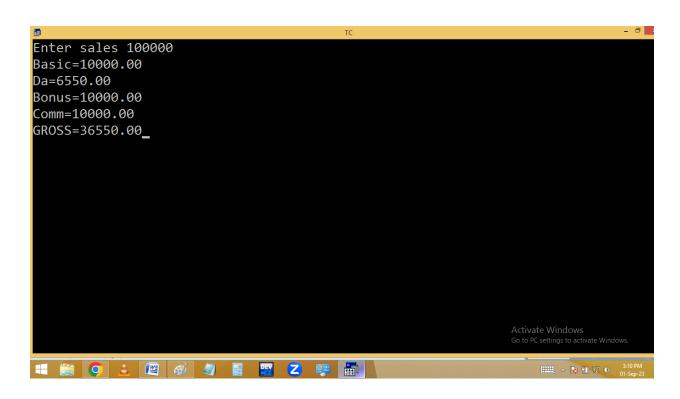




Finding salesman gross salary using below table.

Sales>=100000	Sales < 100000			
Basic=10000	Basic=10000			
Da=65.5%of basic	Da=65.5%of basic			
Bonus=10000	Bonus=5000			
Commission=10%of sales	Commission=2% of sales			
Gross = basic + da + bonus + commission				

```
File Edit
                     Compile Project
               Run
                                       Options Debug Break/watch
               Col 35 Insert Indent Tab Fill Unindent * E:2PM.C
     Line 10
#include<stdio.h>
#include<conio.h>
void main()
float sales, basic=10000,da=basic*65.5/100, bonus, comm, gross;
clrscr();
printf("Enter sales "); scanf("%f",&sales);
if(sales>=100000) { bonus=10000; comm = sales*10/100; }
else { bonus=5000; comm = sales*2/100; }
gross = basic + da + bonus + comm;
printf("Basic=%.2f\n",basic);
printf("Da=%.2f\n",da);
printf("Bonus=%.2f\n",bonus);
printf("Comm=%.2f\n",comm);
printf("GROSS=%.2f",gross);
getch();
   □□□ • 1 10 10 01-Se
```



```
Enter sales 99999

Basic=10000.00

Da=6550.00

Bonus=5000.00

Comm=1999.98

GROSS=23549.98_

Activate Windows
Go to PC settings to activate Windows.
```

Finding customer Bill amount:

```
Col 16 Insert Indent Tab Fill Unindent * E:2PM.C
     Line 5
#include<stdio.h>
#include<conio.h>
void main()
char name[20]; float qty,rate,amt,tot=0;
char ch;
clrscr();
abc:
printf("Enter quantity and price ");
scanf("%f %f",&qty, &rate);
amt=qty*rate;
tot+=amt;
flushall();
printf("Next item [y/n] "); scanf("%c",&ch);
if(ch=='y'||ch=='Y') goto abc;
else printf("Bill total=%.2f",tot);
getch();
```

```
Enter quantity and price 5 2.5

Next item [y/n] y

Enter quantity and price 2.5 34.5

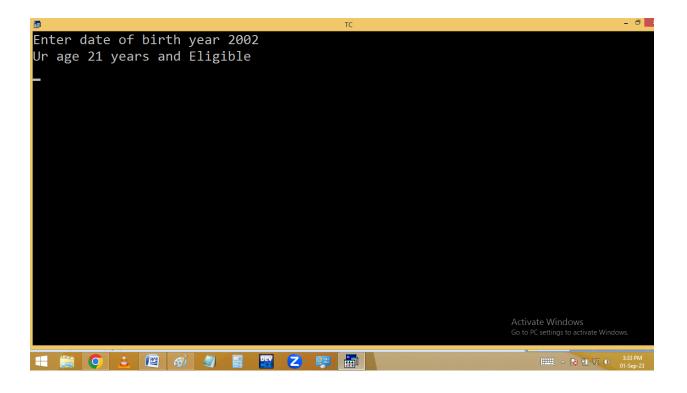
Next item [y/n] n

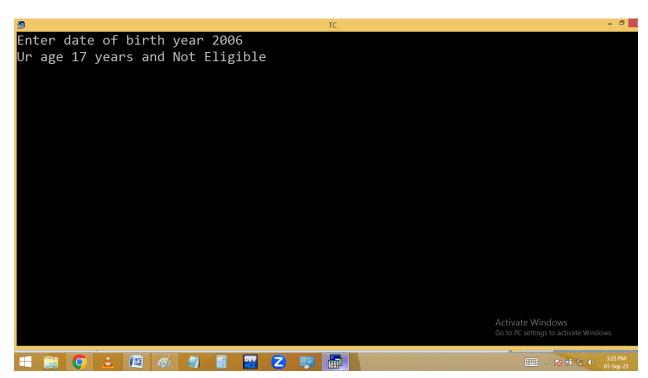
Bill total=98.75_

Activate Windows
Go to PC settings to activate Windows.
```

Finding voter eligibility:

```
File Edit Run Compile Project
                              Options Debug Break/watch
    Line 8
            Col 28 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int year,age;
clrscr();
printf("Ur age %d years and_", age=2023-year);
if(age>=18) puts("Eligible");
else puts("Not Eligible");
getch();
```





Finding marriage eligibility:

```
File Edit Run
                   Compile Project
                                   Options Debug
                                                  Break/watch
              Col 37 Insert Indent Tab Fill Unindent
     Line 8
                                                 E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int age; char gen;
clrscr();
printf("Enter person age and gender "); scanf("%d %c",&age, &gen);
if(age>=21|| ( gen=='f' || gen=='F')_&& age>=18) puts("Eligible");
else puts("Not Eligible");
getch();
```

