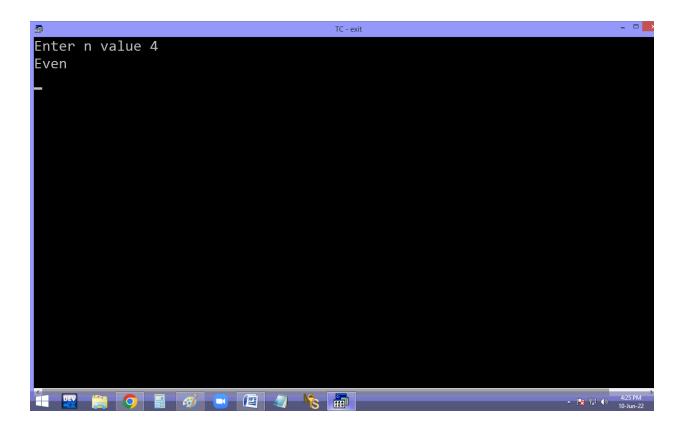
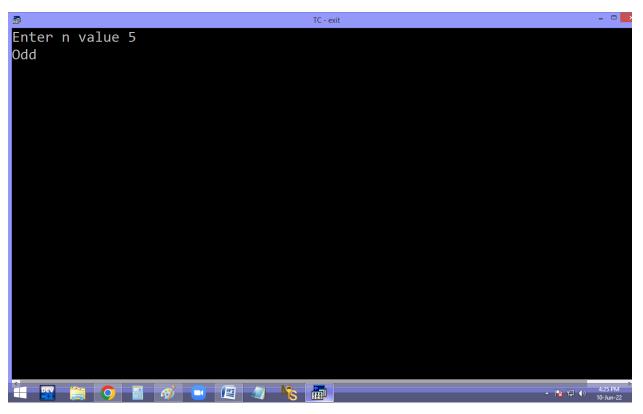
Finding even/odd:

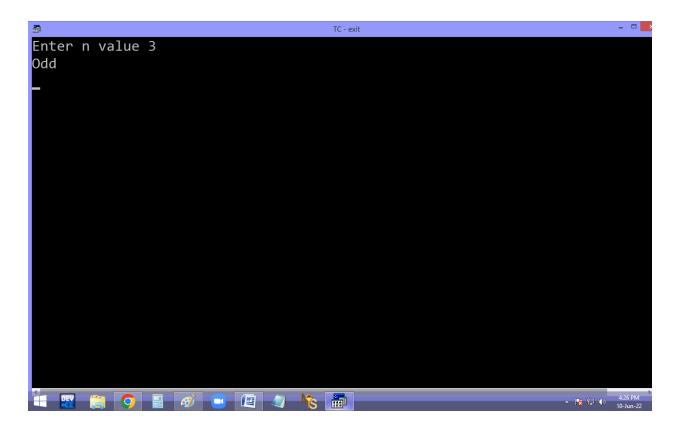
```
File Edit Run Compile Project Options Debug Break/watch
Line 11 Col 2 Insert Indent Tab Fill Unindent * E:SUM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter n value ");
scanf("%d",&n);
if(n%2==0)puts("Even"); else puts("Odd");
getch();
}
```

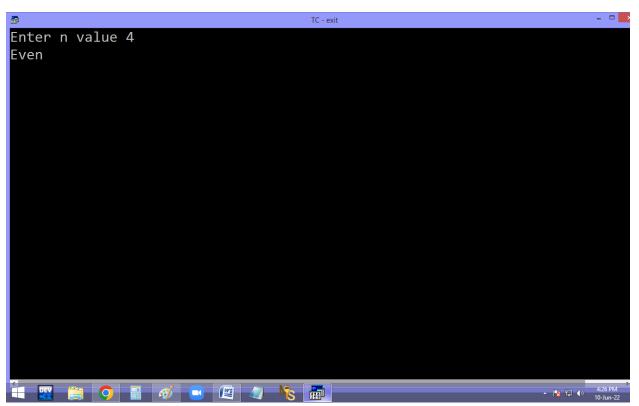




Without using %:

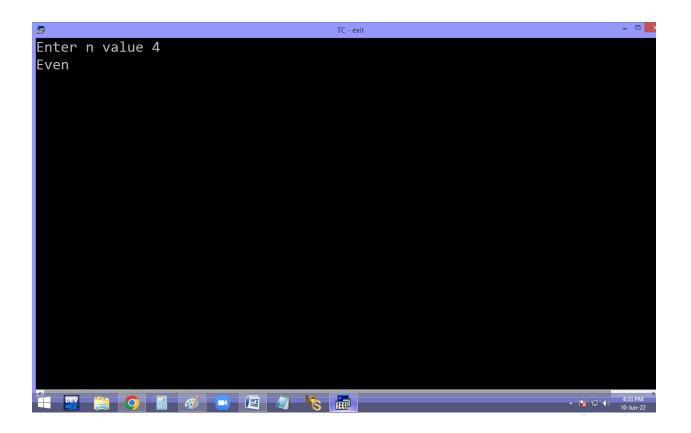
```
File Edit Run Compile Project Options Debug Break/watch
Line 9 Col 12 Insert Indent Tab Fill Unindent * E:SUM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter n value ");
scanf("%d",&n);
if(n/2*2==n)puts("Even"); else puts("Odd");
getch();
}
```

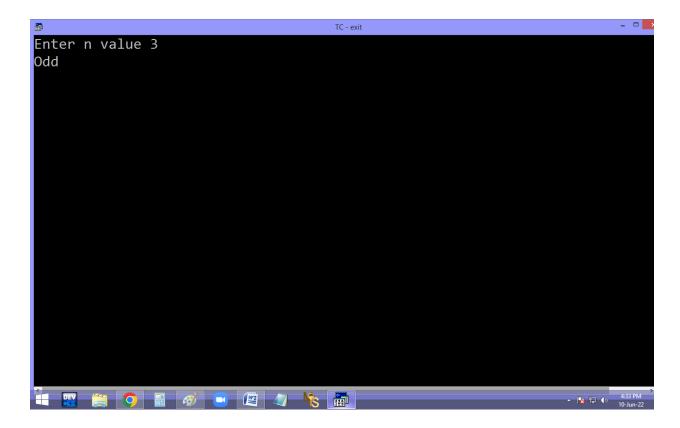




Without using arithmetic operators:

```
TC - exit
  File Edit Run
                   Compile Project
                                    Options Debug Break/watch
           Col 12 Insert Indent Tab Fill Unindent * E:SUM.C
#include<stdio.h>
#include<conio.h>
void main()
int n;
clrscr();
printf("Enter n value ");
scanf("%d",&n);
if((n&1)==0)puts("Even"); else puts("Odd");
getch();
                                                    4:33 PM
```





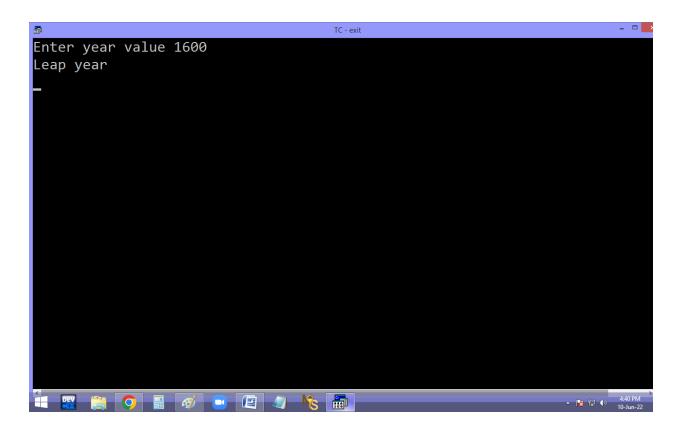
Eg. Finding leap / common year.

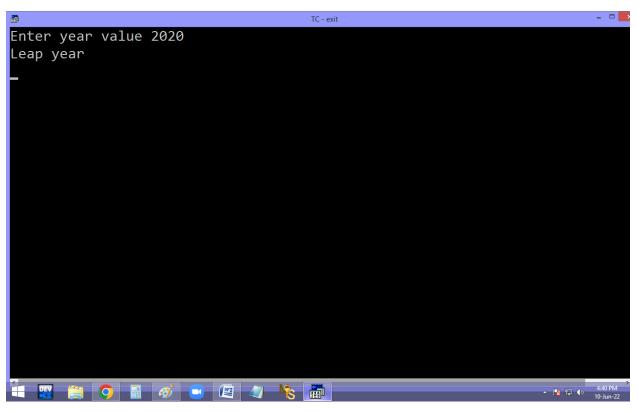
```
File Edit Run Compile Project Options Debug Break/watch

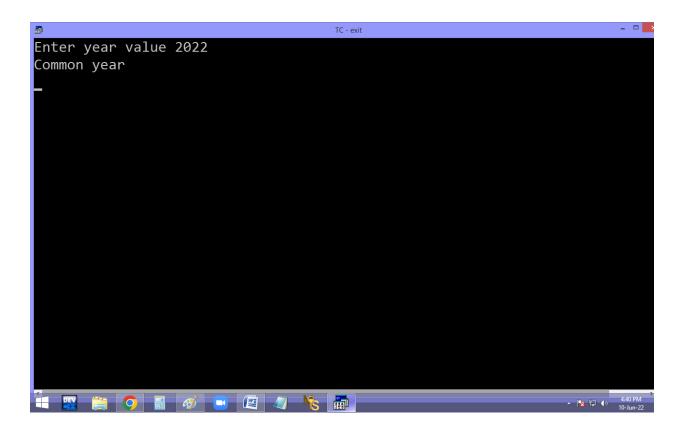
Line 10 Col 1 Insert Indent Tab Fill Unindent * E:SUM.C

#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter year value ");
scanf("%d",&n);
if(n%4=0 && n%100!=0 || n%400==0)puts("Leap year");
else puts("Common year");
getch();
}
```







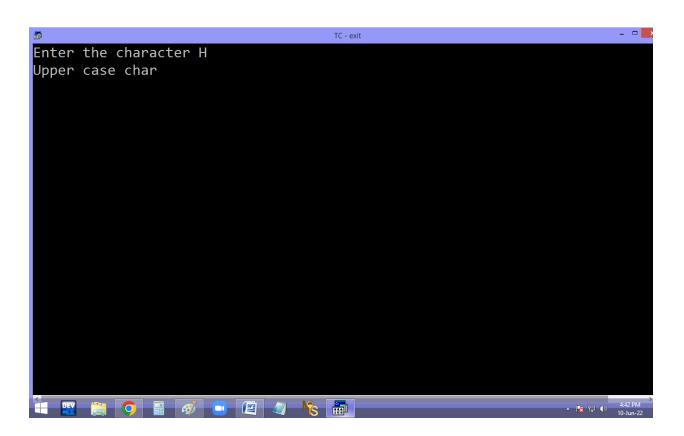


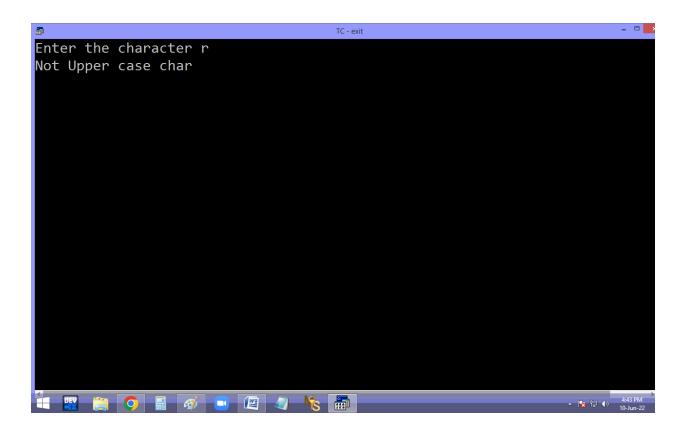
Eg. finding upper case char or not.

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

Line 11 Col 31 Insert Indent Tab Fill Unindent * E:SUM.C

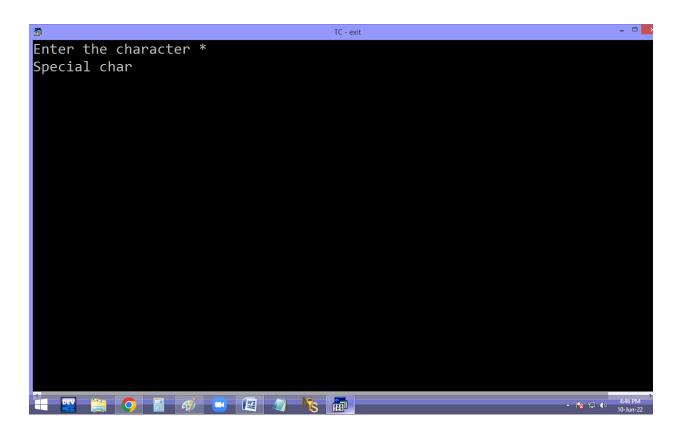
#include<stdio.h>
#include<conio.h>
void main()
{
    char ch;
    clrscr();
    printf("Enter the character ");
    scanf("%c",&ch);
    if(ch>='A' && ch<='Z')puts("Upper case char");
    else puts("Not Upper case char");
    getch();
}
```

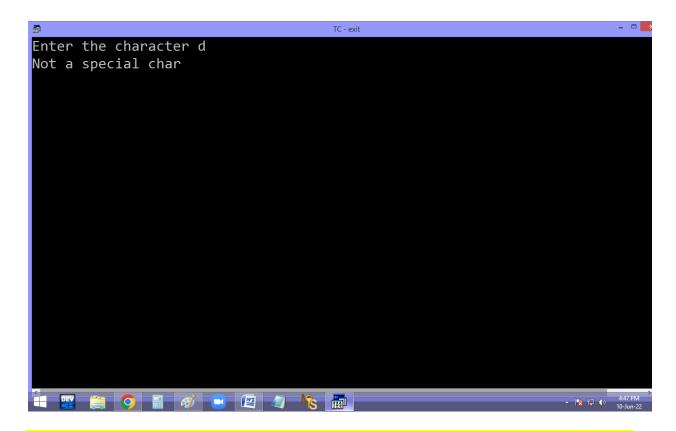




Eg. finding special char

```
TC - exit
  File Edit Run
                     Compile Project
                                       Options Debug Break/watch
     Line 12 Col 1 Insert Indent Tab Fill Unindent * E:SUM.C
#include<stdio.h>
#include<conio.h>
void main()
char ch;
clrscr();
printf("Enter the character ");
scanf("%c",&ch);
if(!(ch>='A' && ch<='Z'||ch>='a'&&ch<='z'||ch>='0'&&ch<='9'))
puts("Special char");
else puts("Not a special char");
getch();
▲ 🙀 🕪 4:46 PM
10-Jun-22
```



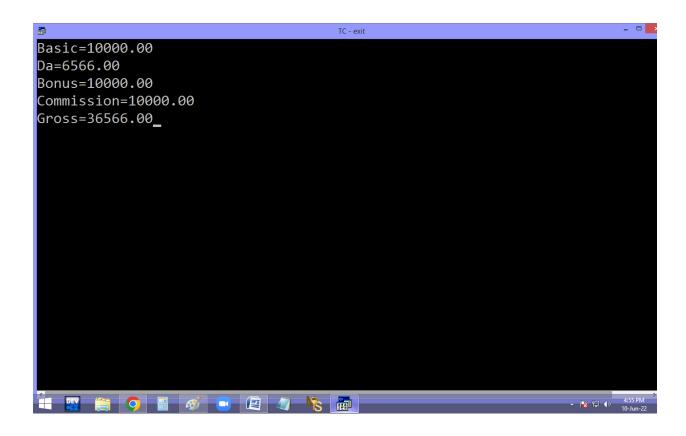


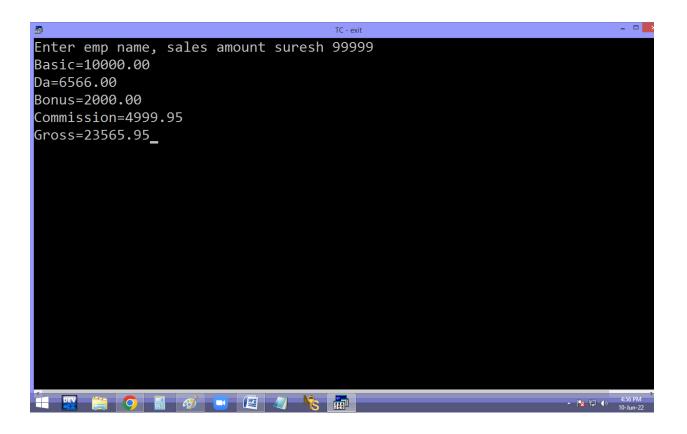
Eg. Read sales man name and sales. Find the sales man allowances based on below table.

Basic = 10000, da=65.66% of basic

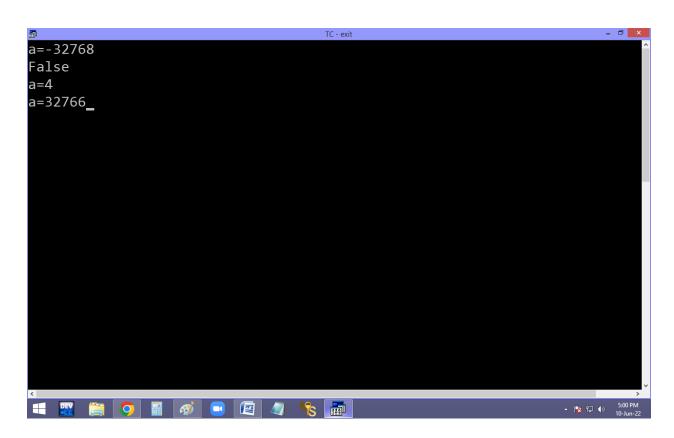
Sales>=100000	Sales<100000
Bonus=10000	Bonus=2000
Commission=10% of sales	Commission=5% of sales
Gross = basic + da + bonus + commission	

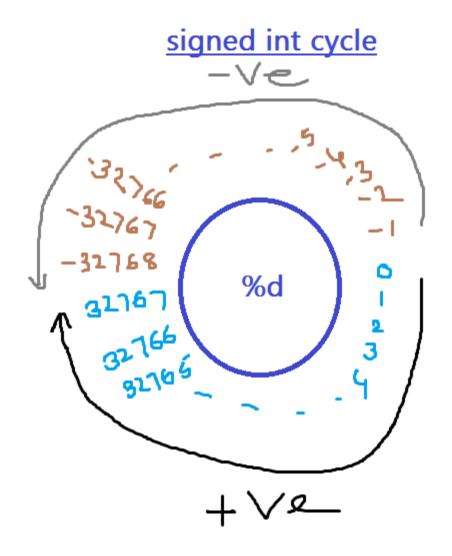
```
TC - exit
      Line 19
                Col 2
                        Insert Indent Tab Fill Unindent * E:SUM.C
#include<stdio.h>
#include<conio.h>
void main()
char name[20];
float sales, basic=10000,da=basic * 65.66/100, bonus, comm, gross;
printf("Enter emp name, sales amount ");
scanf("%s %f",name, &sales);
if(sales>=100000) { bonus=10000; comm=sales*0.1;}
else { bonus=2000; comm=sales*0.05;}
gross = basic + da + bonus + comm;
printf("Basic=%.2f\n",basic);
printf("Da=%.2f\n",da);
printf("Bonus=%.2f\n",bonus);
printf("Commission=%.2f\n",comm);
printf("Gross=%.2f",gross);
getch();
▲ 🙀 🕪 4:55 PM
```

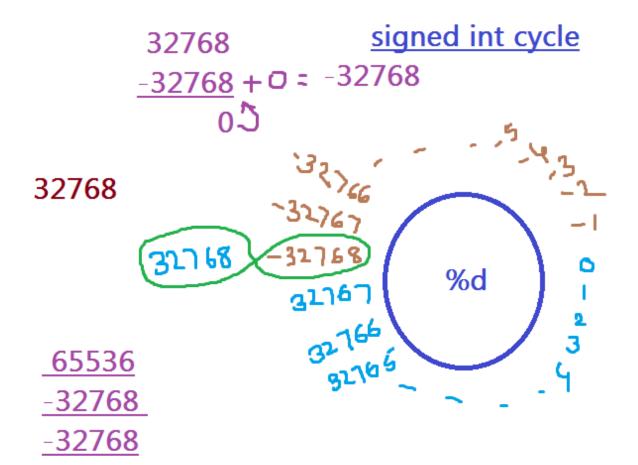




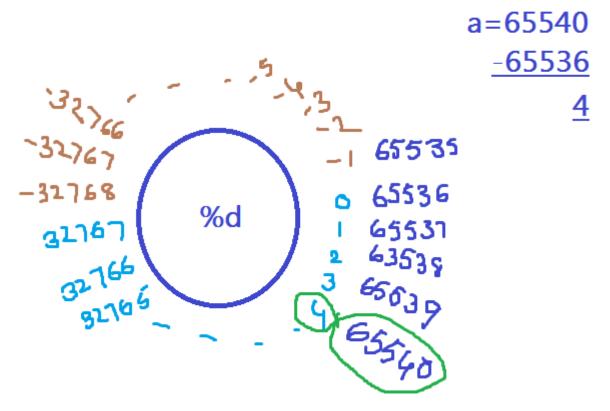
```
_ 🗇 🗙
                                TC - exit
  File Edit Run Compile Project Options Debug Break/watch
     Line 12 Col 31 Insert Indent Tab Fill Unindent * E:SUM.C
#include<stdio.h>
#include<conio.h>
void main()
int a=32768;
clrscr();
if(a>=32767)puts("True"); else puts("False"); /* False */
a=65540;
printf("a=%d\n",a); /* 4 */
a=-32770;
printf("a=%d",a); /* 32766 */
getch();
Page: 16 of 16 | Words: 67 | 🍑
                                                    120%
                                                         ▲ 📴 😭 (+) 5:00 PM
```



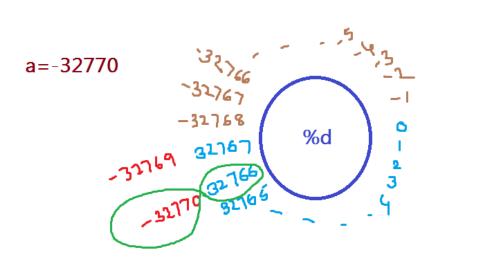




signed int cycle



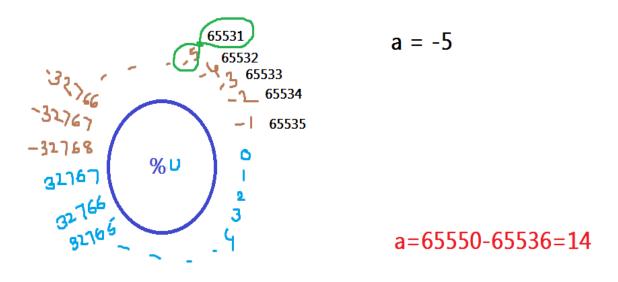
signed int cycle



65536 -32770 32766

```
Run
                               Options Debug
  File Edit
                Compile Project
                                            Break/watch
            Col 28 Insert Indent Tab Fill Unindent * E:SUM.C
    Line 11
#include<stdio.h>
#include<conio.h>
void main()
unsigned int a=-5;
clrscr();
a=65550;
printf("a=%u\n",a); /* 14 */
a=-5;
getch();
                                              ▲ 🔁 🕩 5:23 PM
```

Unsigned int cycle



C character set ==> 256 ASCII Values

```
TC - exit
   File Edit
                 Run
                       Compile Project Options Debug Break/watch
                 Col 11 Insert Indent Tab Fill Unindent * E:SUM.C
      Line 5
#include<stdio.h>
#include<conio.h>
void main()
{
char a=65, b=66, c=a+b;
clrscr();
printf("c=%d",c);
getch();
/* -125 */
                                                                ▲ 🙀 😭 🌓 5:39 PM 10-Jun-22
                 Ø 😐 🚇 🧳 🕌
```

signed char cycle

