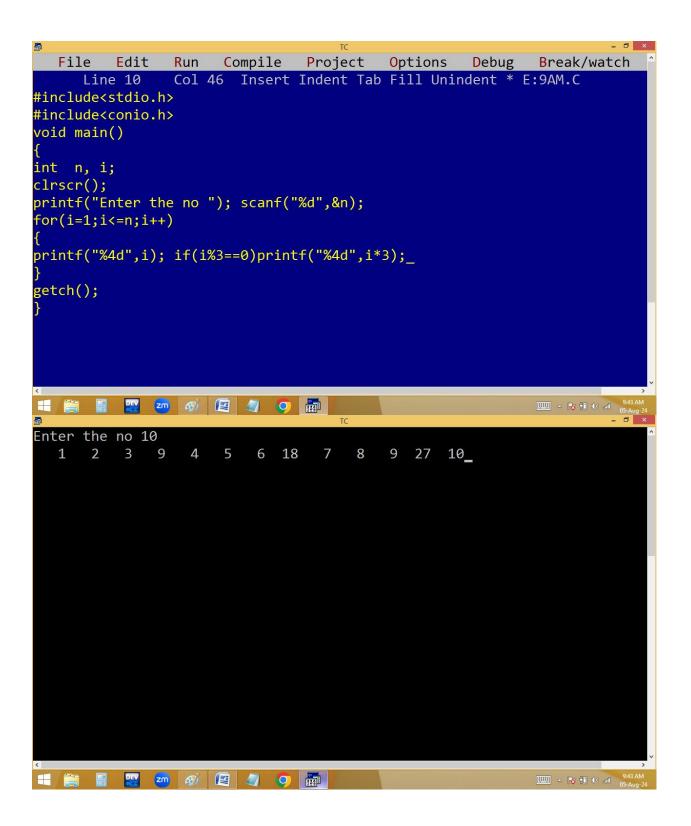
### Harmonic series without using \b:

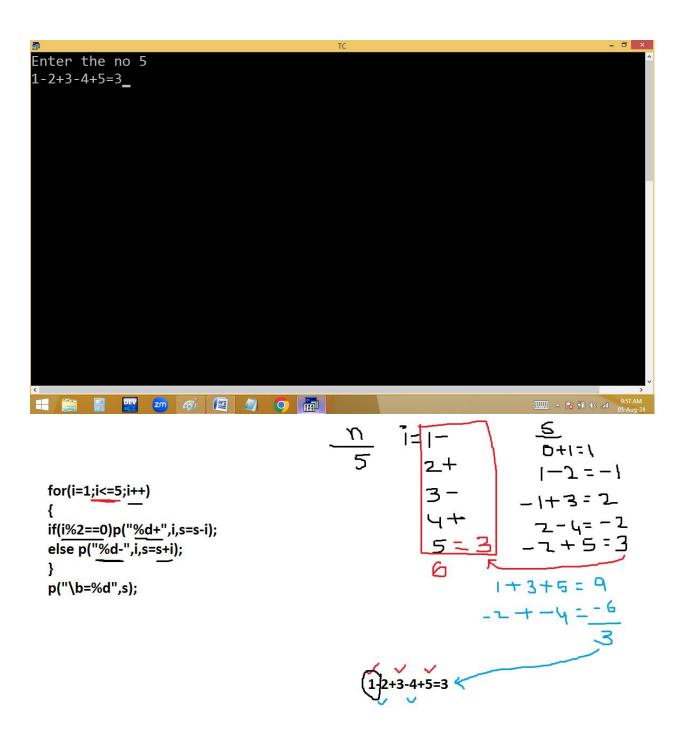
```
File Edit
              Run
                   Compile
                            Project
                                     Options Debug
                                                     Break/watch
     Line 13
            Col 30 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
int n, i; float s=1;
clrscr();
printf("Enter the no "); scanf("%d",&n);
printf("1+");
for(i=1;i<n;i++)
printf("1/%d+",i,s+=1.0/i);
printf("1/%d=%.2f",i,s+=1.0/i<u>)</u>;
getch();
Enter the no 5
1+1/1+1/2+1/3+1/4+1/5=3.28_
□□□□ △ 🕞 🖺 (♦) 📶 9:31 A
```

**Printing below series:** 

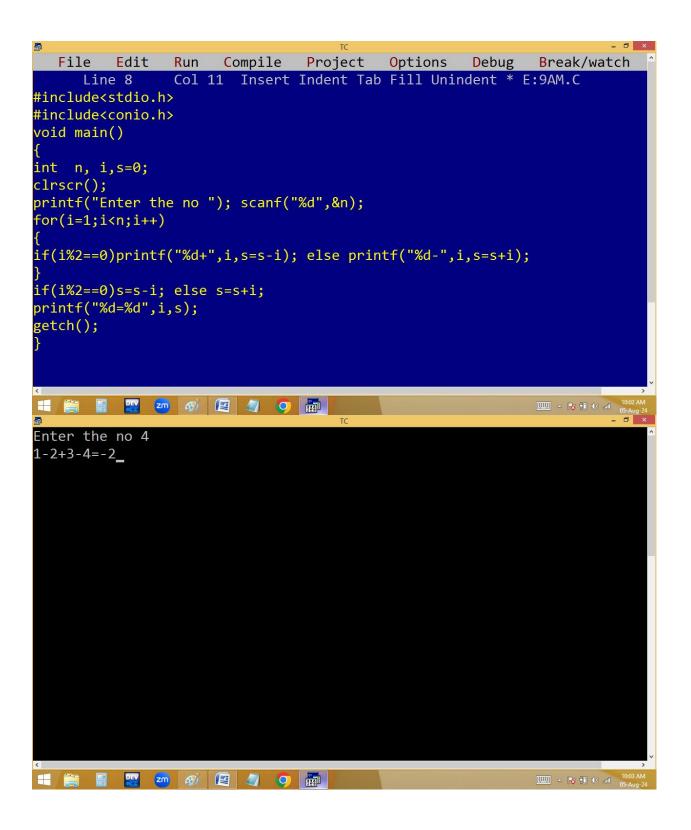
n=10 -> 1 2 3 9 4 5 6 18 7 8 9 27 10

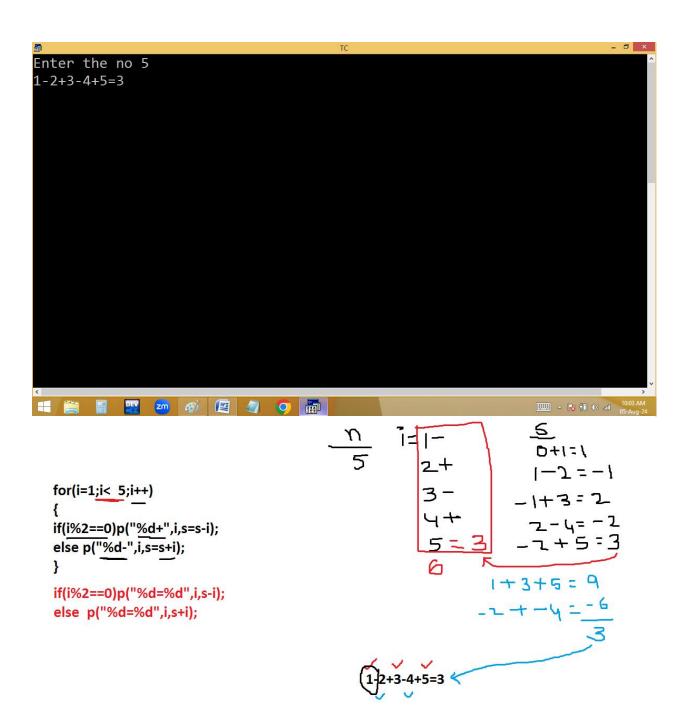


```
File Edit
              Compile Project
                           Options Debug
                                       Break/watch
           Run
   Line 12 Col 11 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
int n, i,s=0;
clrscr();
for(i=1;i<=n;i++)
printf("\b<u>=</u>%d",s);
getch();
```



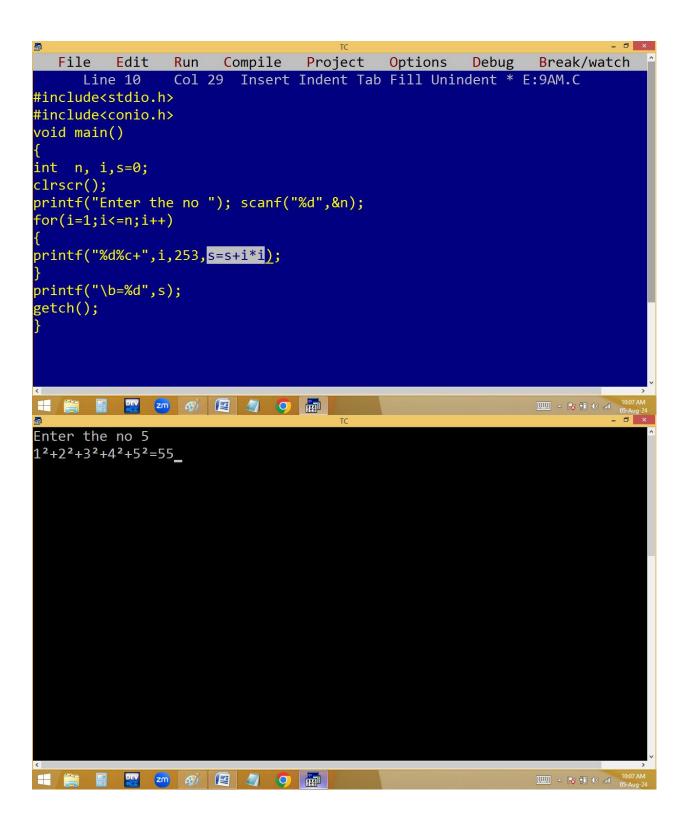
## Without \b:



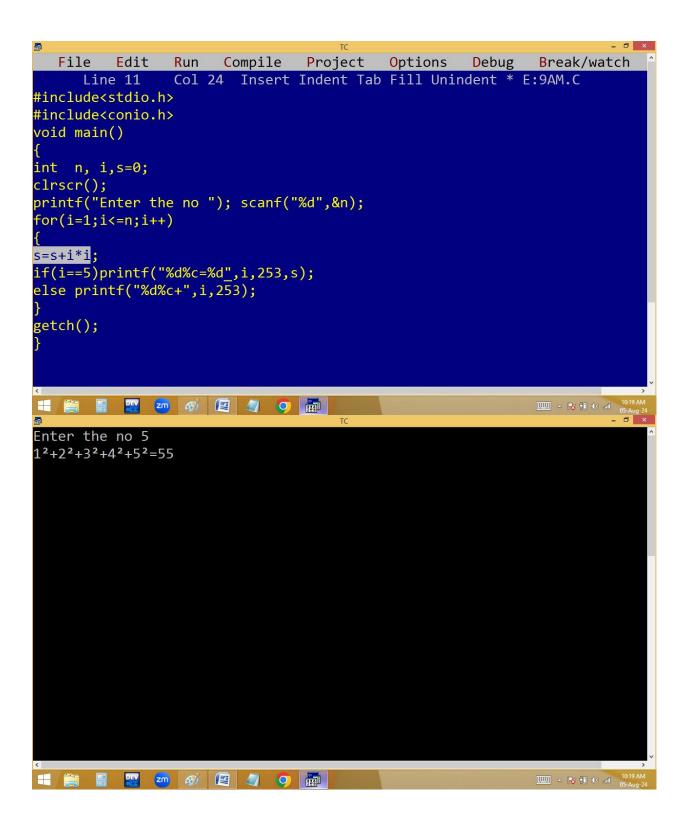


### **Print below series:**

$$n=5 \rightarrow 1^2 + 2^2 + 3^2 + 4^2 + 5^2 = 1 + 4 + 9 + 16 + 25 = 55$$

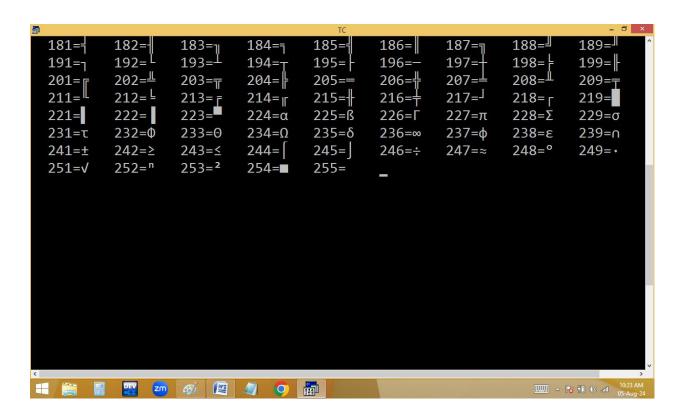


# Without using \b:



#### **ASCII Table:**

```
- 🗇 ×
#include<stdio.h>
#include<conio.h>
void main()
int i;
clrscr();
for(i=0;i<256;i++)printf("%d=%c\t",i,i);
getch();
                _____ △ 🔯 🗓 (I)) and 10:22 Al
                                                                                a x
0=
        1=0
                   2=0
                             3=♥
                                       4=♦
                                                 5=+
                                                           6=4
                                                                      7=
                                                                               8
               10=
         14=5
                                       17=◄
                   15=¢
                             16=▶
                                                 18=$
                                                           19=!!
                                                                      20=¶
                                                                                21=
                                                                                30=
22=-
          23=$
                    24=↑
                              25=↓
                                        26=
                                                 27=←
                                                           28=∟
                                                                      29=↔
                            34="
                                                                38=&
                                                                         39='
31=▼
          32=
                   33=!
                                     35=#
                                              36=$
                                                       37=%
                                                                                  4
                                                                                  5
                                                                48=0
 41=)
          42=*
                   43=+
                            44=,
                                     45=-
                                              46=.
                                                       47=/
                                                                         49=1
                                                                                  6
 51=3
          52=4
                   53=5
                            54=6
                                     55=7
                                              56=8
                                                       57=9
                                                                58=:
                                                                         59=;
                                                                                  7
8
 61==
                                     65=A
                                              66=B
                                                                68=D
                                                                         69=E
          62=>
                   63=?
                            64=@
                                                       67=C
                            74=J
                                              76=L
                                                                78=N
 71 = G
          72=H
                   73=I
                                     75=K
                                                       77=M
                                                                         79=0
                                                                                  9
 81=Q
                                     85=U
                                              86=V
                                                                         89=Y
          82=R
                   83=S
                            84=T
                                                       87=W
                                                                88=X
 91=[
          92=\
                   93=]
                            94=^
                                     95=
                                              96=`
                                                       97=a
                                                                98=b
                                                                         99 = c
 101=e
          102 = f
                   103=g
                            104=h
                                     105=i
                                                       107=k
                                                                108=1
                                                                         109=m
                                              106=j
 111=o
                   113 = q
                            114=r
                                     115=s
                                              116=t
                                                                118=v
                                                                         119=w
          112 = p
                                                       117=u
          122 = z
                   123={
                            124=
                                     125=}
                                              126=~
 121=y
                                                       127=△
                                                                 128=Ç
                                                                          129=ü
  131=â
           132=ä
                    133=à
                             134=å
                                      135=ç
                                               136=ê
                                                        137=ë
                                                                 138=è
                                                                          139=ï
  141=ì
           142=Ä
                    143=Å
                             144=É
                                      145 = æ
                                               146=Æ
                                                        147=ô
                                                                 148=ö
                                                                          149=ò
  151=ù
           152=ÿ
                    153=Ö
                             154=Ü
                                      155=¢
                                               156=£
                                                        157=¥
                                                                 158=₨
                                                                          159 = f
                                                                 168= 8
  161 = i
           162=ó
                    163=ú
                             164=ñ
                                      165=Ñ
                                               166=ª
                                                        167=9
                                                                          169=-
                                                        177=
  171=1/2
           172=1/4
                    173=i
                             174=«
                                      175=»
                                               176=
                                                                 178=
                                                                          179=
                zm 🔊 🍱
                                                                    _____ ^ [8] (b) ad 10:
```

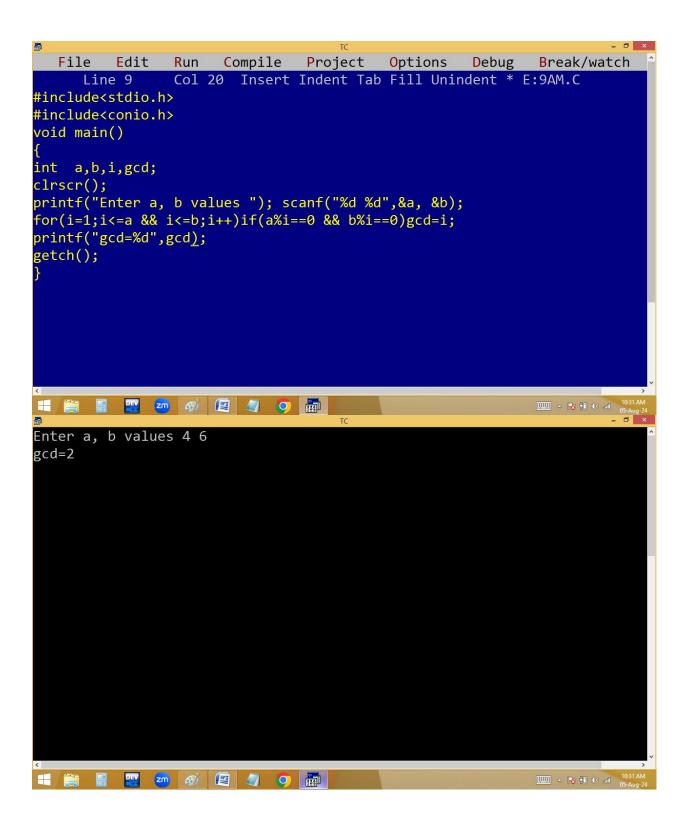


### Finding gcd / hcf:

4 divisible with 1, 2, 4

6 divisible with 1, 2, 3, 6

2 is gcd / hcf of 4 and 6



```
- 0 ×
Enter a, b values 10 15
gcd=5_
             zm 🚳 📳 🕢 🧿 🟢
                                                          △ 🔯 🗓 (b) and 10:32 AM
        1<=4
             1<=6
  for(i=1;i<=a && i<=b ;i++)
                                          1:0/ 6% 1:0
  if(a%i==0 && b%i==0) gcd=i;
                                                   6 % 2=0
                                         <u></u>ፈ=0
  p(gcd);
                                                    6%4:2
                                   4%4 = 0
                                         5<=4
```

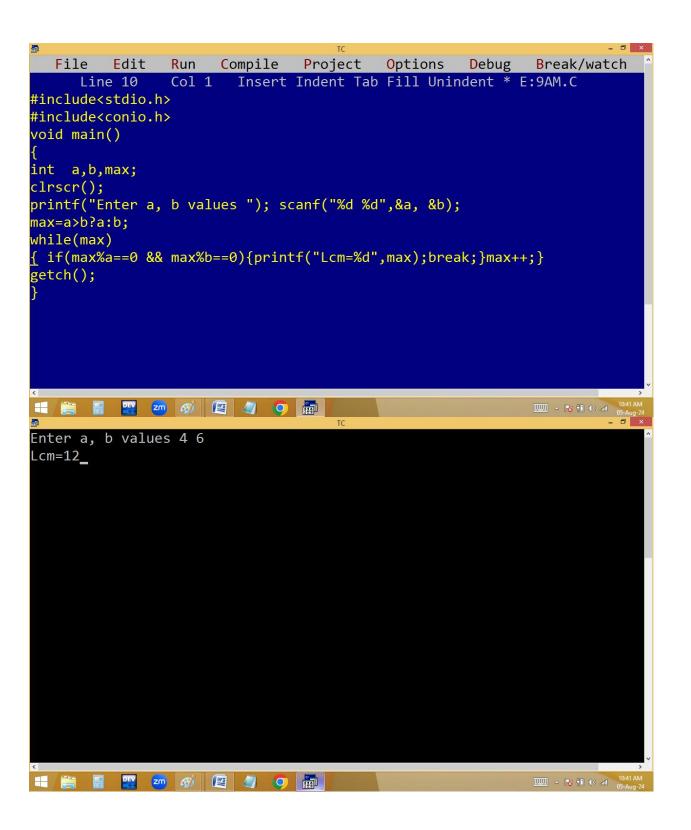
## Finding Icm of given two numbers:

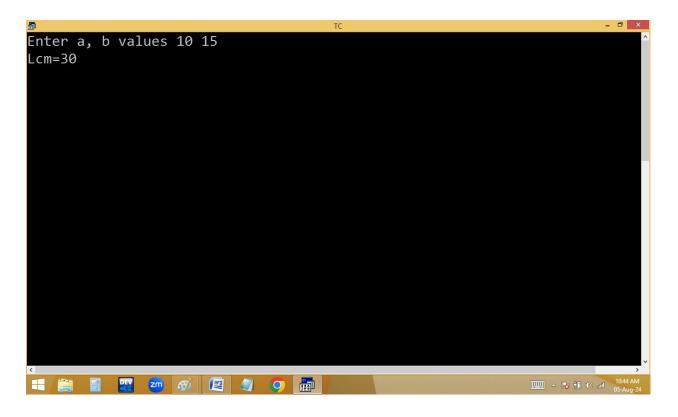
## 1. Using gcd:

4 x 6= 24/2=12 Lcm

```
File Edit
              Run Compile Project Options Debug Break/watch
              Col 21 Insert Indent Tab Fill Unindent * E:9AM.C
     Line 10
#include<stdio.h>
#include<conio.h>
void main()
int a,b,i,gcd;
clrscr();
printf("Enter a, b values "); scanf("%d %d",&a, &b);
for(i=1;i<=a && i<=b;i++)if(a%i==0 && b%i==0)gcd=i;
printf("Lcm=%d",a*b/gcd);
getch();
         Enter a, b values 4 6
Lcm=12_
□□□ △ 😼 🗓 (b) 📶 10:34 AN
```

2. Without using gcd:





$$\frac{m_{x}x_{++}}{c} = \frac{88}{2} = \frac{m_{x}x_{+}}{c} = \frac{15}{2}$$

$$\frac{11}{2} \times 4 = \frac{1}{2}$$

$$\frac{11}{2} \times 4 = \frac{1}{2}$$

$$\frac{13}{2} \times 6 = 0$$