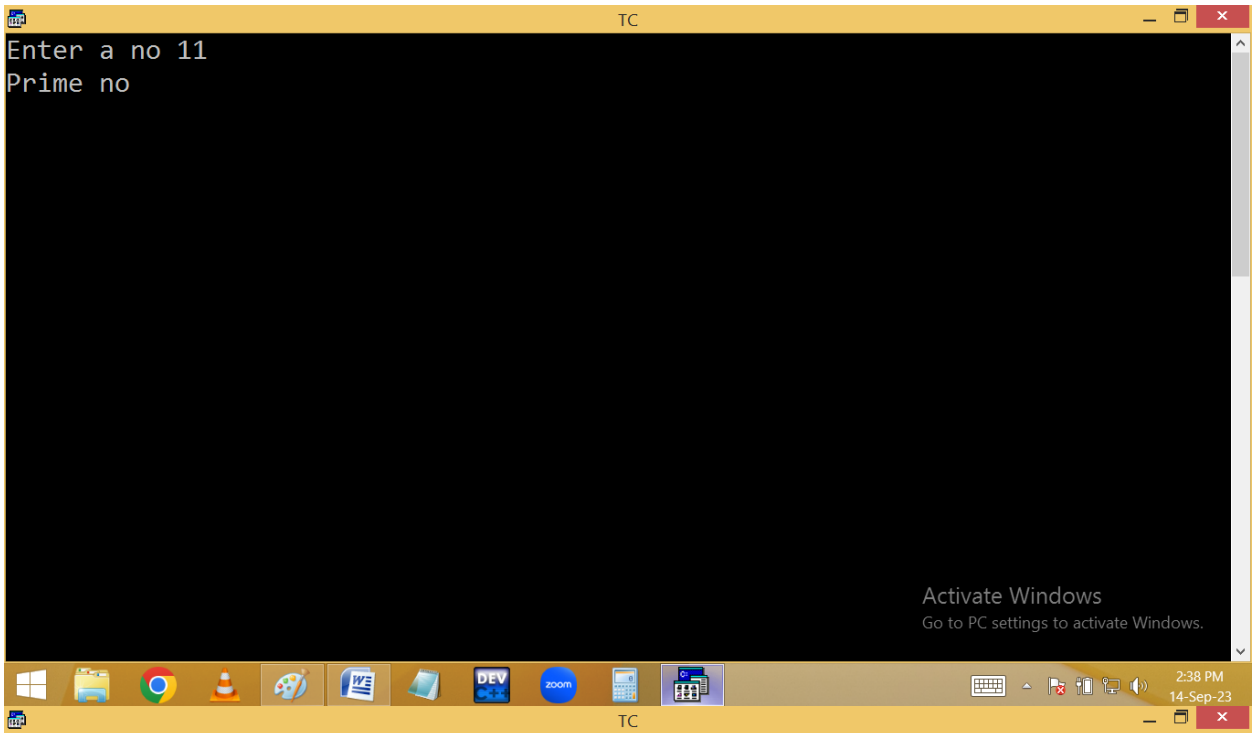
Prime no method 2:

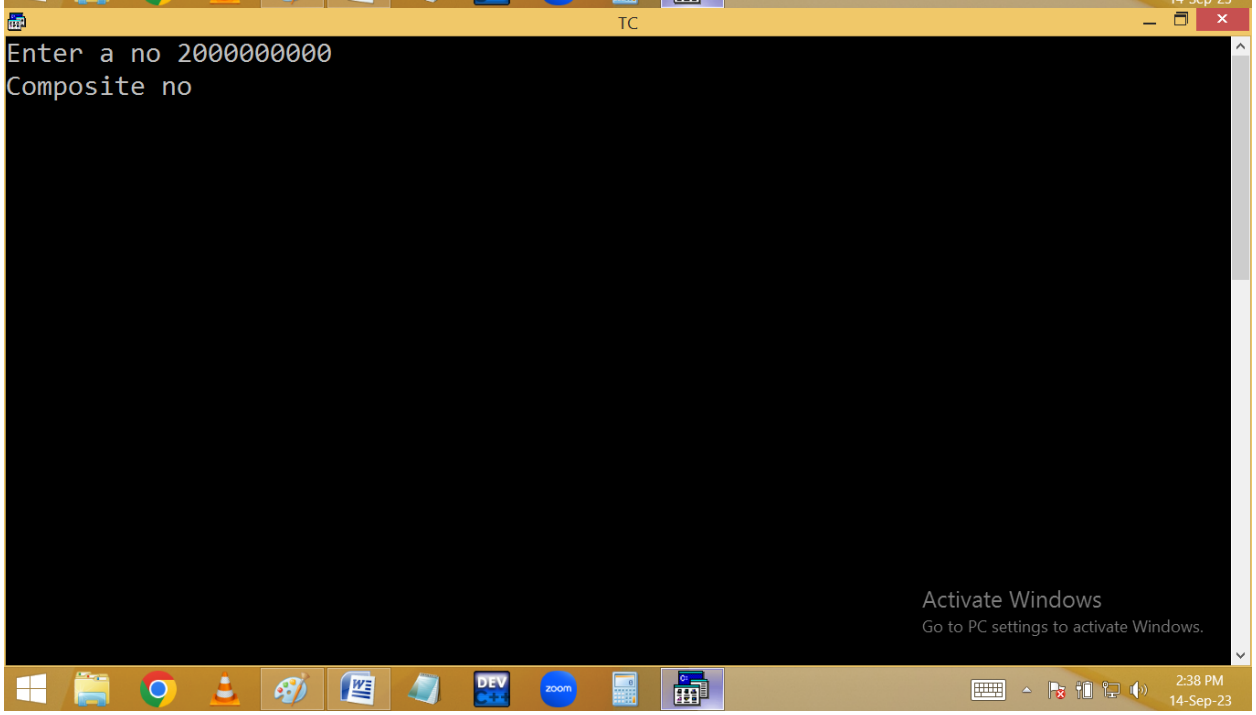
TC

```
      Line 18    Col 1   Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
long int  n,i,c=0;
clrscr();
printf("Enter a no "); scanf("%ld",&n);
if(n<=1) puts("Not a prime/composite no");
else
{
for( i=2;i<=n/2; i++ )
{
if(n%i==0){puts("Composite no");getch();return;}
}
puts("Prime no");
}
getch();
}
```


TC

```
Not a prime/composite no
```



TC
Enter a no 11
Prime no
Activate Windows
Go to PC settings to activate Windows.
2:38 PM
14-Sep-23


TC
Enter a no 2000000000
Composite no
Activate Windows
Go to PC settings to activate Windows.
2:38 PM
14-Sep-23

```
for( i=2; i<=n/2; i++ )
{
if(n%i==0){p("composite");return;
}

p(prime);
```

10 - ~~1~~, 2, 5, ~~10~~

100 - ~~1~~ 2 4 5 10 20 25 50 ~~100~~

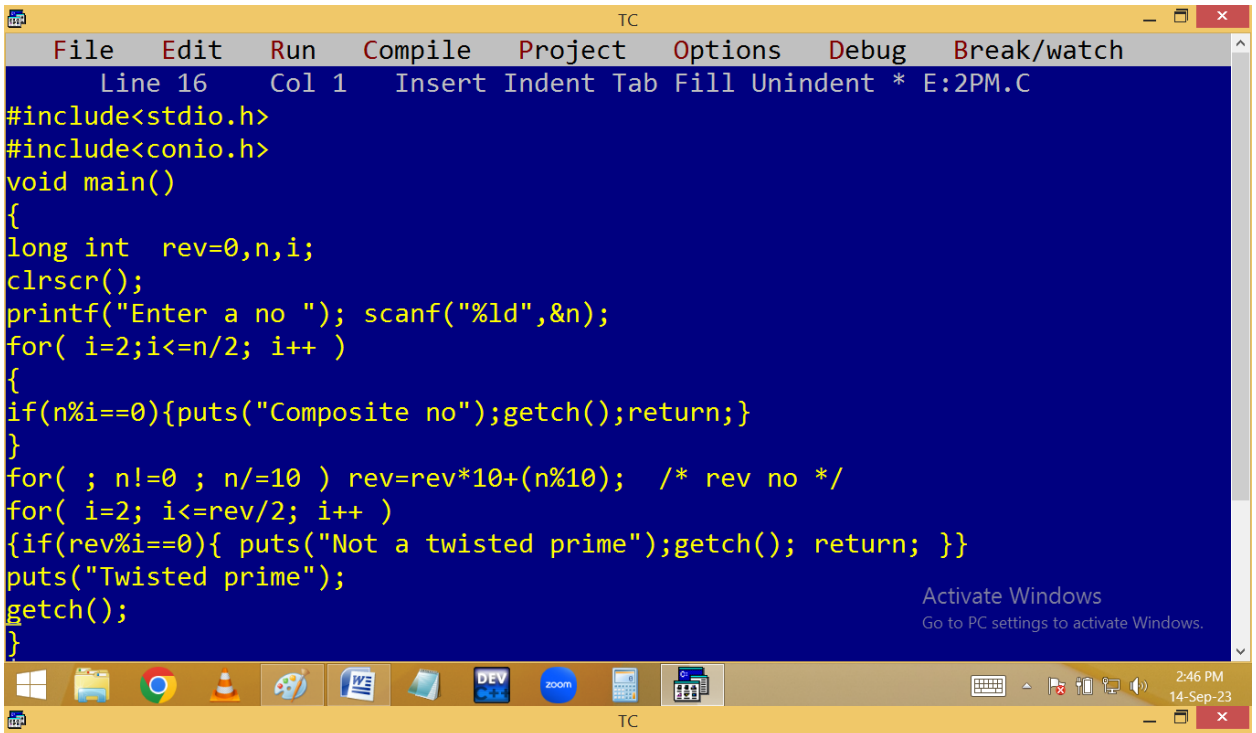
3 - ~~1, 3~~

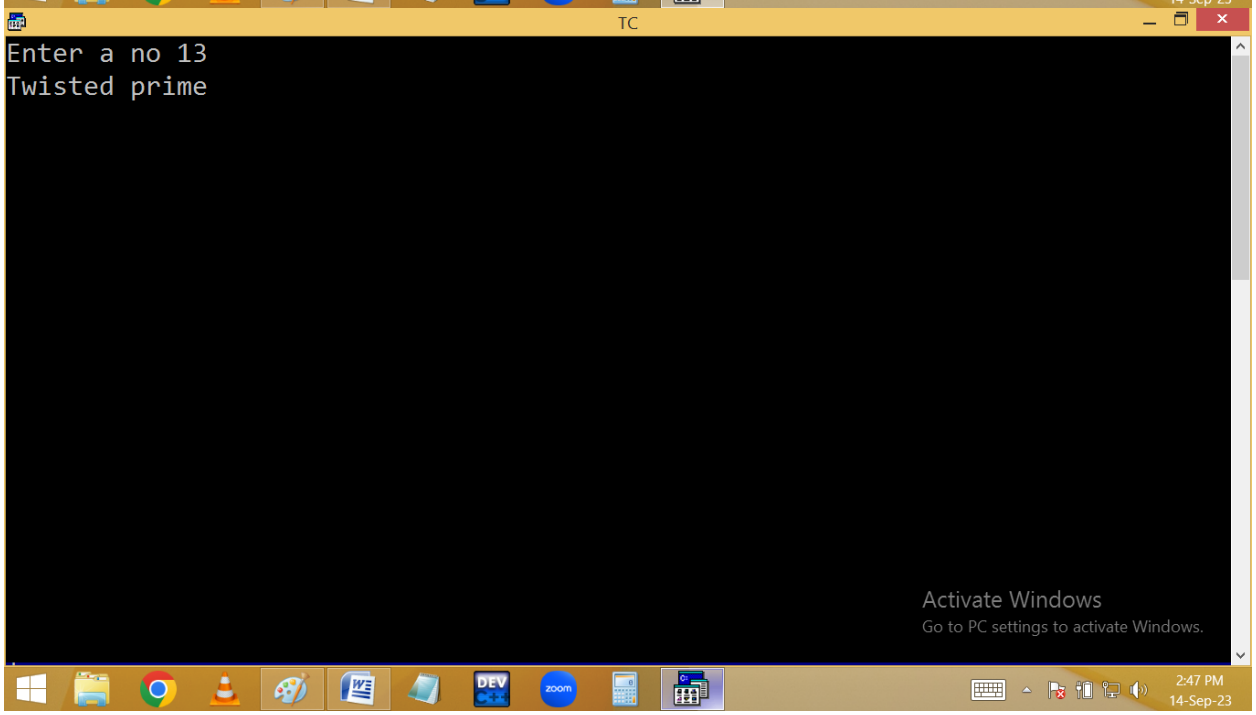
2000000000 % 2 = 0

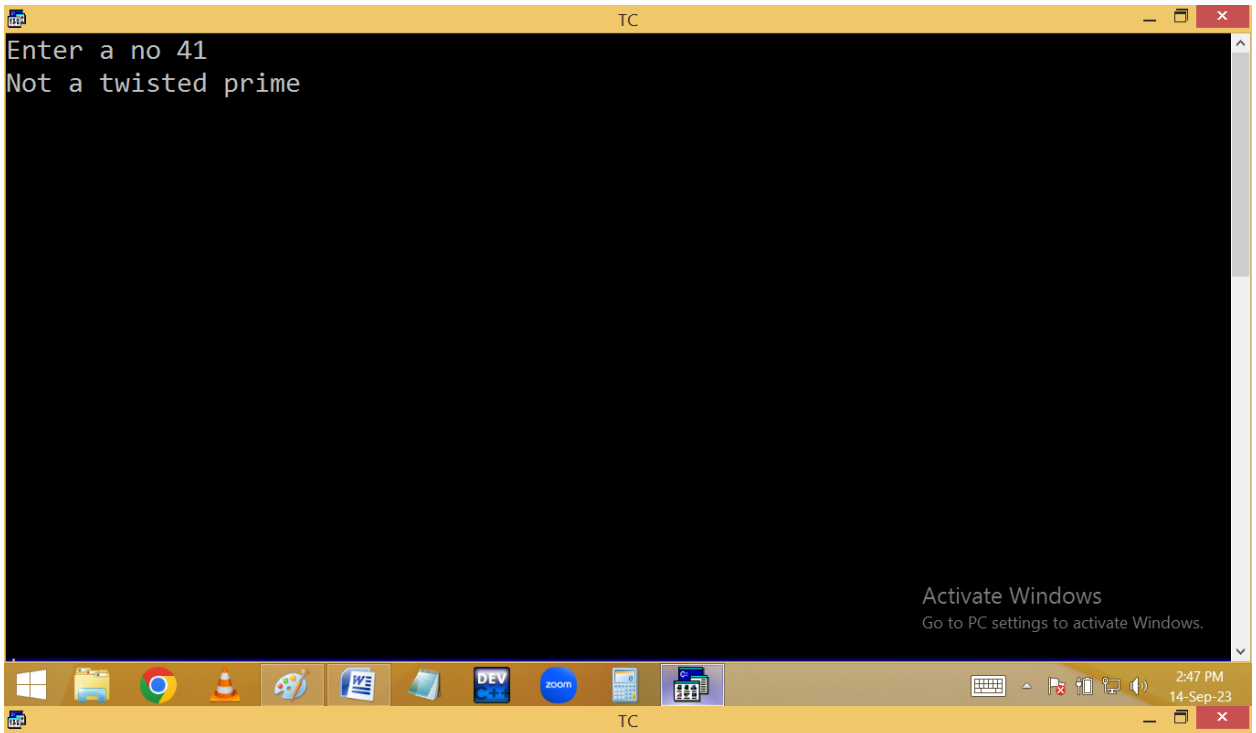
Twisted prime:

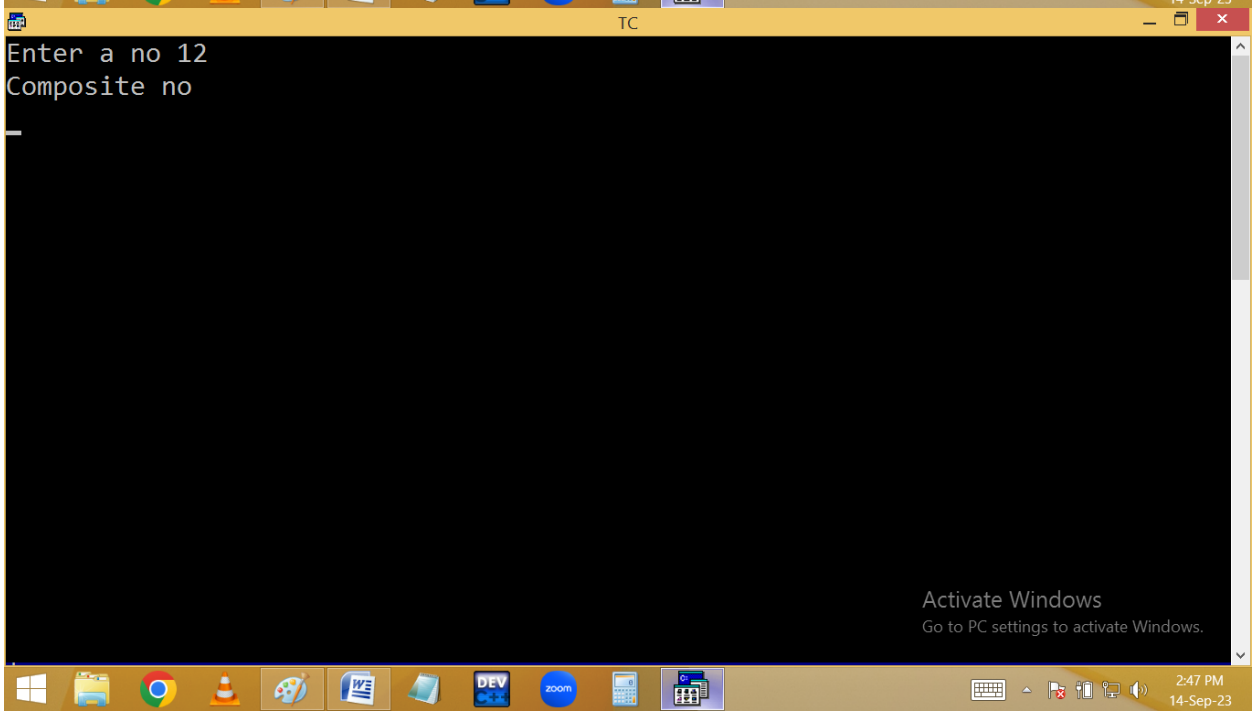
13 is prime and 13 reverse is 31 also prime

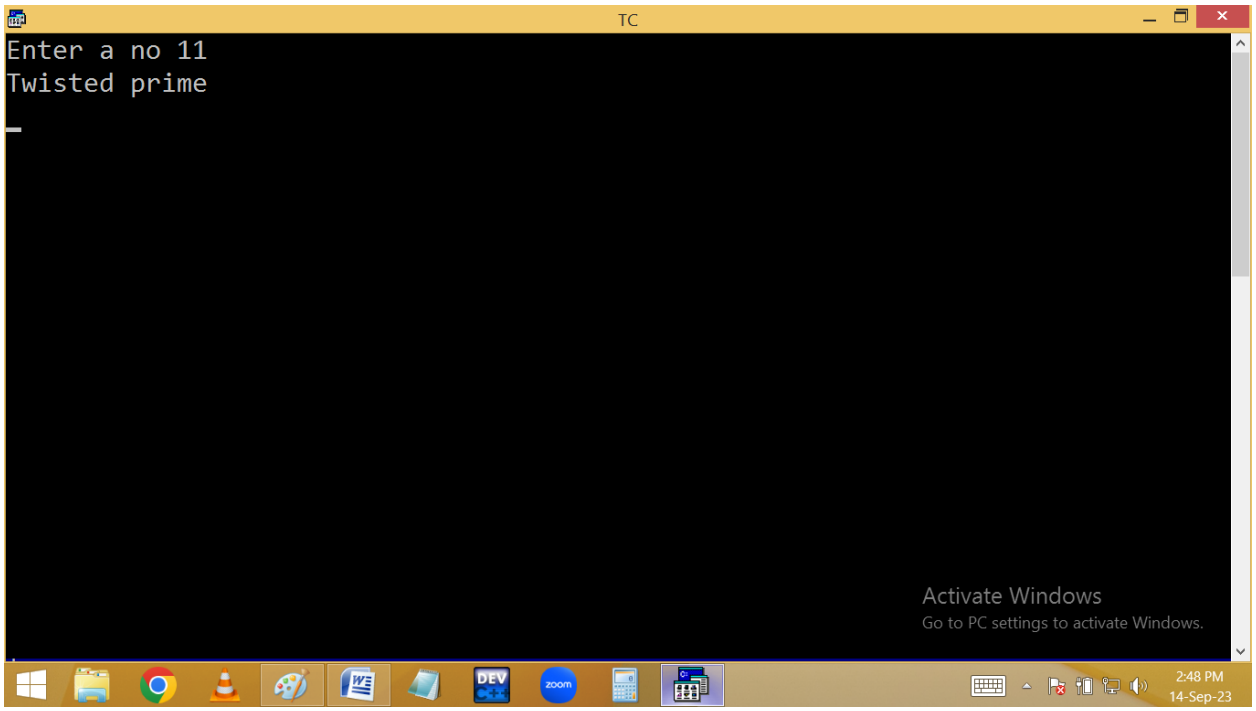
19 prime and 91 is not a prime


TC
File Edit Run Compile Project Options Debug Break/watch
Line 16 Col 1 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
long int rev=0,n,i;
clrscr();
printf("Enter a no "); scanf("%ld",&n);
for(i=2;i<=n/2; i++)
{
if(n%i==0){puts("Composite no");getch();return;}
}
for(; n!=0 ; n/=10) rev=rev*10+(n%10); /* rev no */
for(i=2; i<=rev/2; i++)
{if(rev%i==0){ puts("Not a twisted prime");getch(); return; }}
puts("Twisted prime");
getch();
}
Activate Windows
Go to PC settings to activate Windows.
2:46 PM
14-Sep-23


TC
Enter a no 13
Twisted prime
Activate Windows
Go to PC settings to activate Windows.
2:47 PM
14-Sep-23

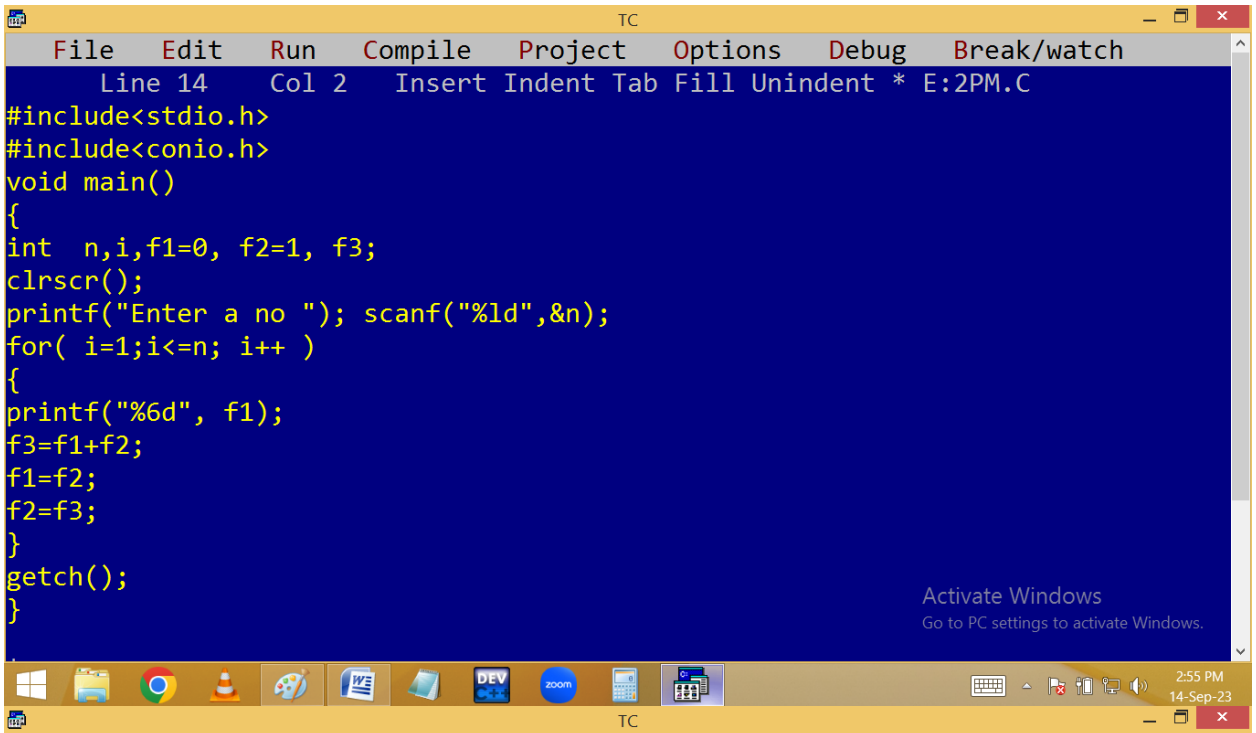

TC
Enter a no 41
Not a twisted prime
Activate Windows
Go to PC settings to activate Windows.
2:47 PM
14-Sep-23

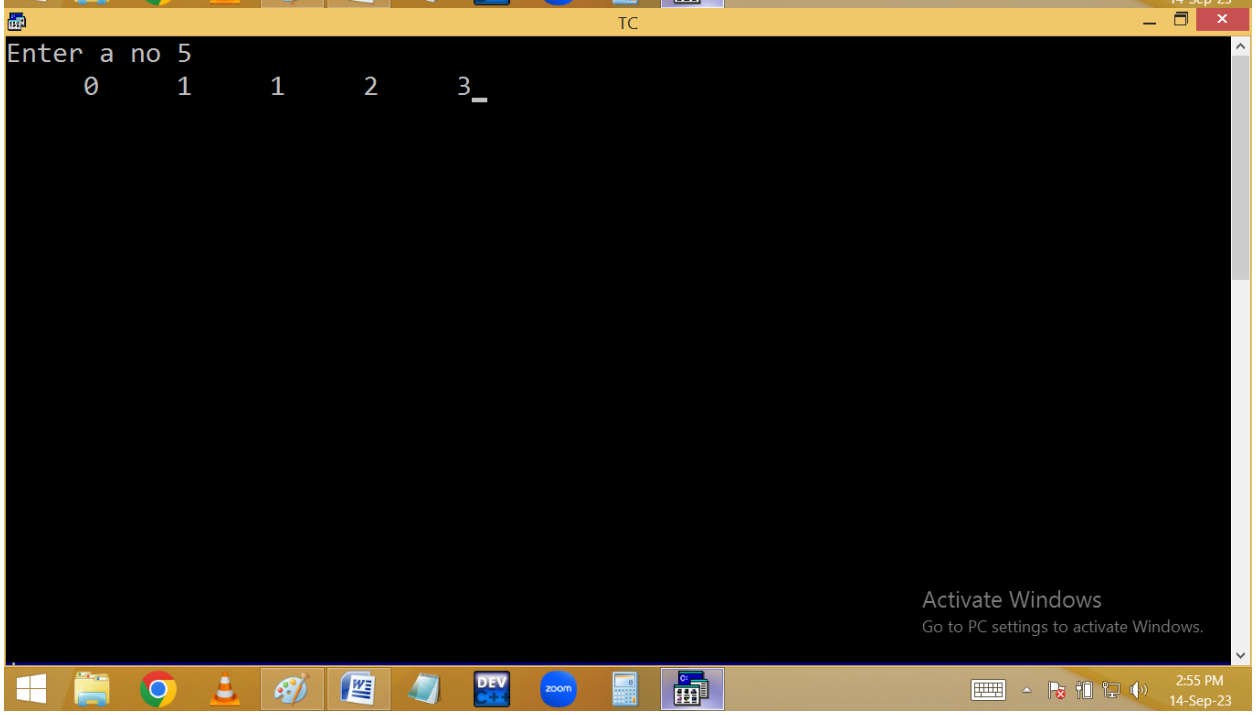

TC
Enter a no 12
Composite no
Activate Windows
Go to PC settings to activate Windows.
2:47 PM
14-Sep-23

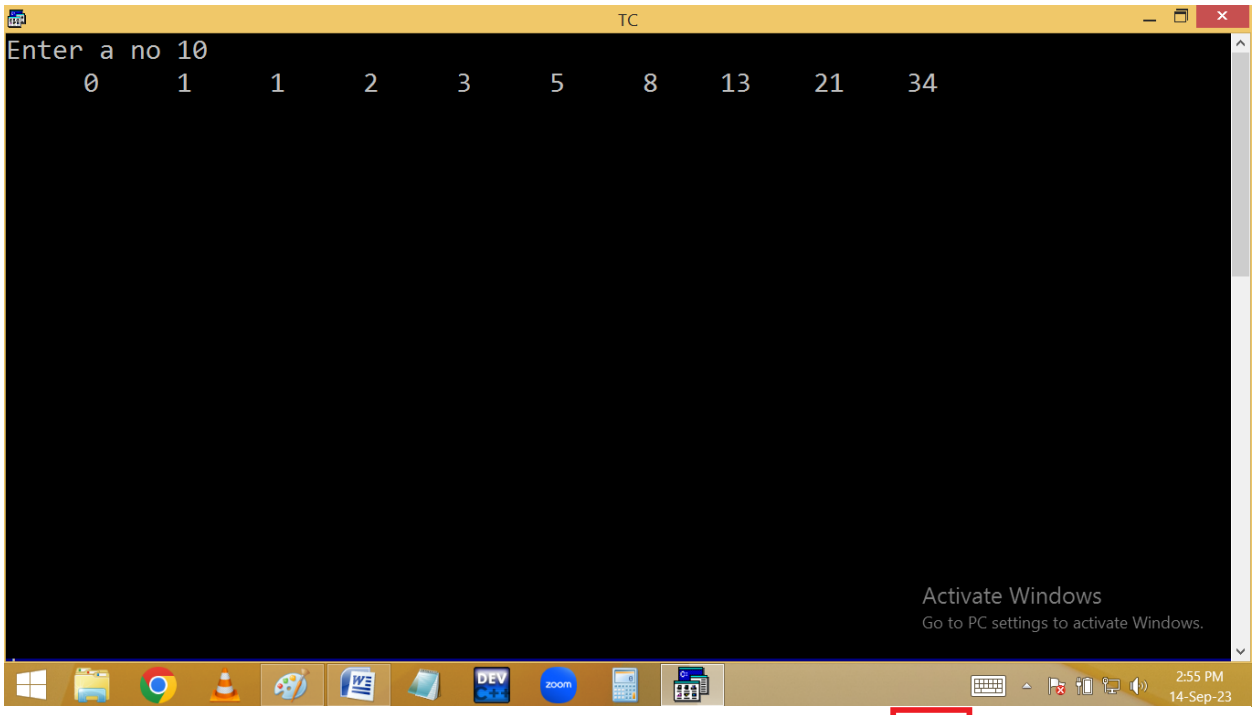


Fibonacci series:

n = 5 ➔ 0 1 1 2 3


TC
File Edit Run Compile Project Options Debug Break/watch
Line 14 Col 2 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n,i,f1=0, f2=1, f3;
clrscr();
printf("Enter a no "); scanf("%ld",&n);
for(i=1;i<=n; i++)
{
printf("%6d", f1);
f3=f1+f2;
f1=f2;
f2=f3;
}
getch();
}
Activate Windows
Go to PC settings to activate Windows.
2:55 PM
14-Sep-23


TC
Enter a no 5
0 1 1 2 3
Activate Windows
Go to PC settings to activate Windows.
2:55 PM
14-Sep-23

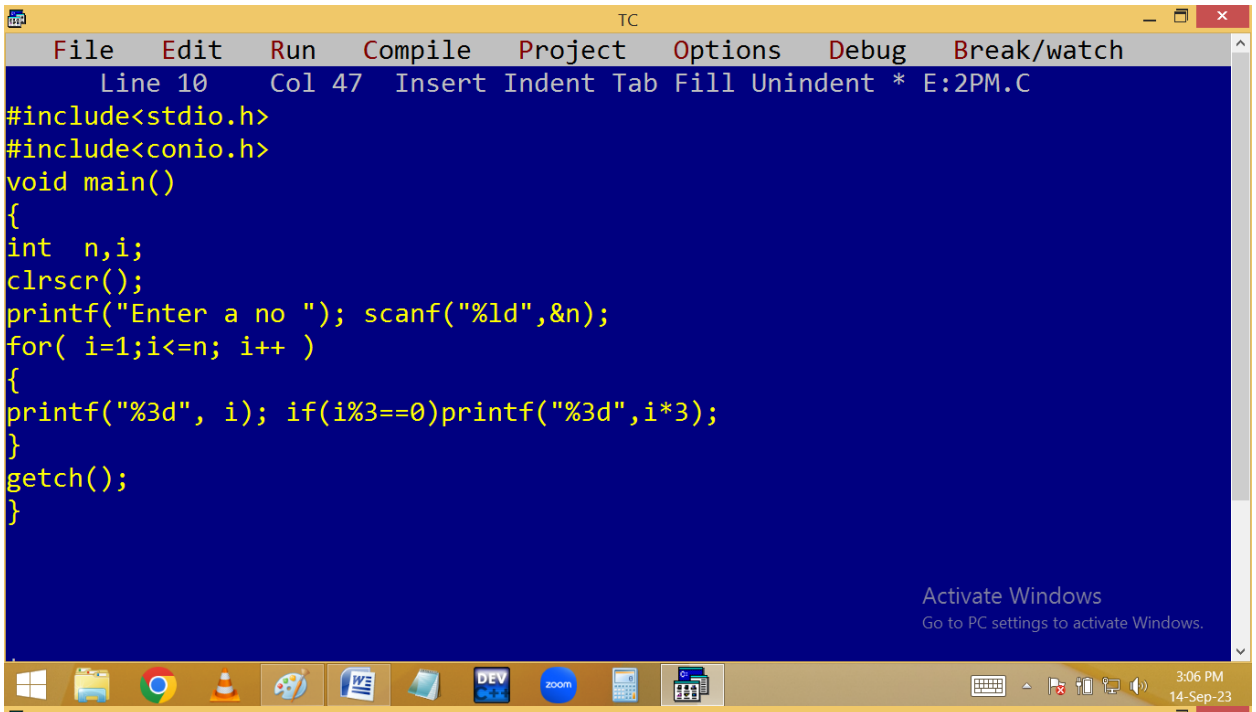


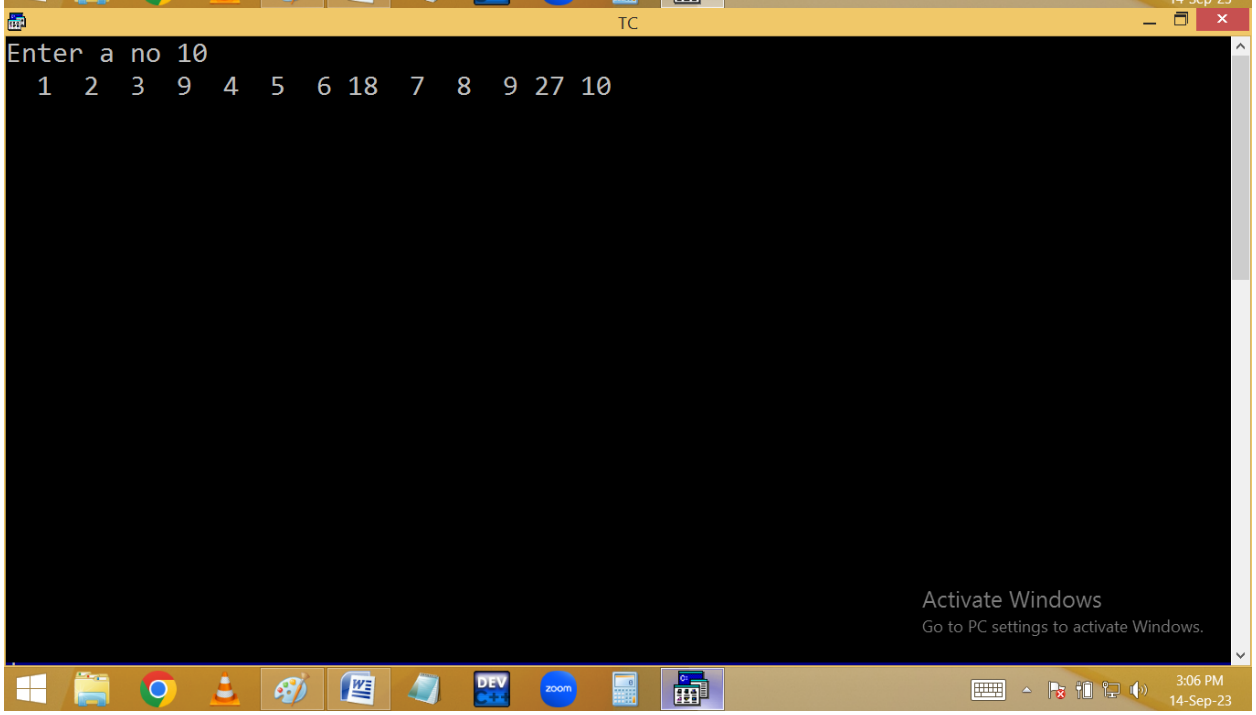
n	i		f1		f2		f3
5	1	✓	0	+	1	=	1
	2	✓	1	+	1	=	2
	3	✓	1	+	2	=	3
	4	✓	2	+	3	=	5
	5	✓	3		5		
	6						

```
for( i=1; i<=5; i++ )
{
p(f1); 0 1 1 2 3
f3=f1+f2;
f1=f2;
f2=f3;
}
```

Eg. printing below series.

1 2 3 9 4 5 6 18 7 8 9 27 10….n


TC
File Edit Run Compile Project Options Debug Break/watch
Line 10 Col 47 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n,i;
clrscr();
printf("Enter a no "); scanf("%ld",&n);
for(i=1;i<=n; i++)
{
printf("%3d", i); if(i%3==0)printf("%3d",i*3);
}
getch();
}
Activate Windows
Go to PC settings to activate Windows.
3:06 PM
14-Sep-23

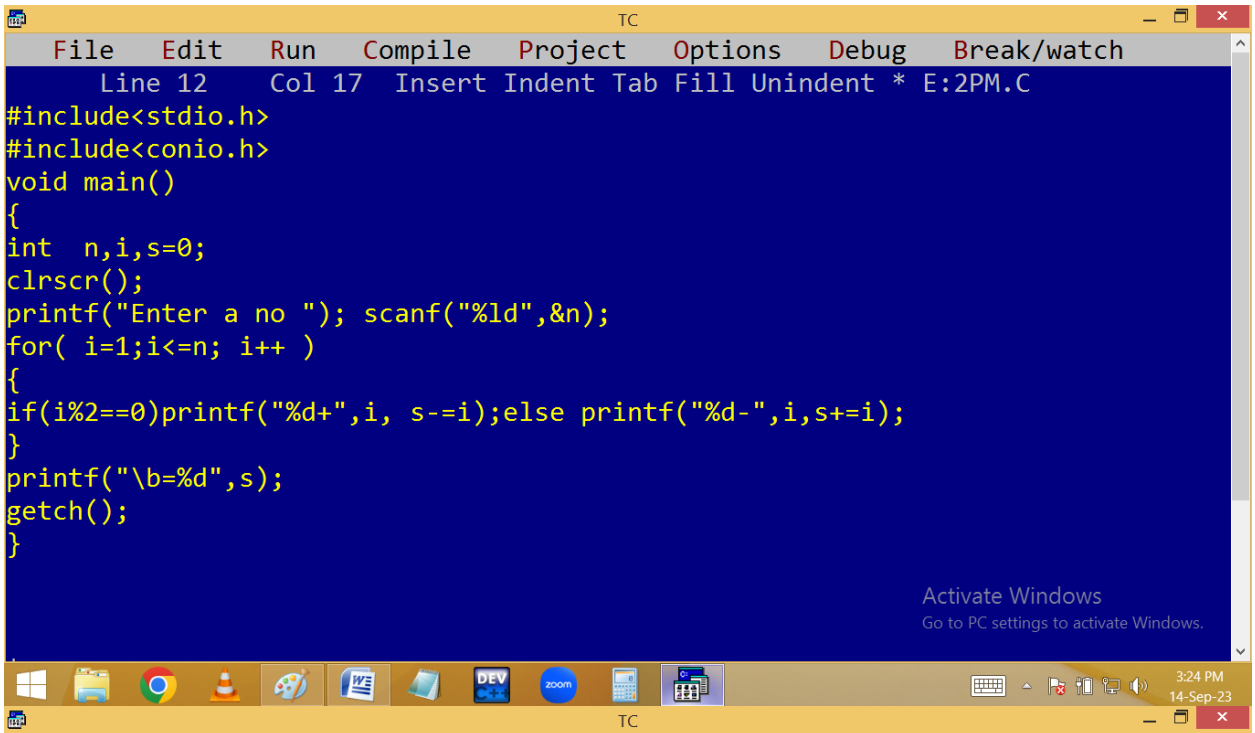

TC
Enter a no 10
1 2 3 9 4 5 6 18 7 8 9 27 10
Activate Windows
Go to PC settings to activate Windows.
3:06 PM
14-Sep-23

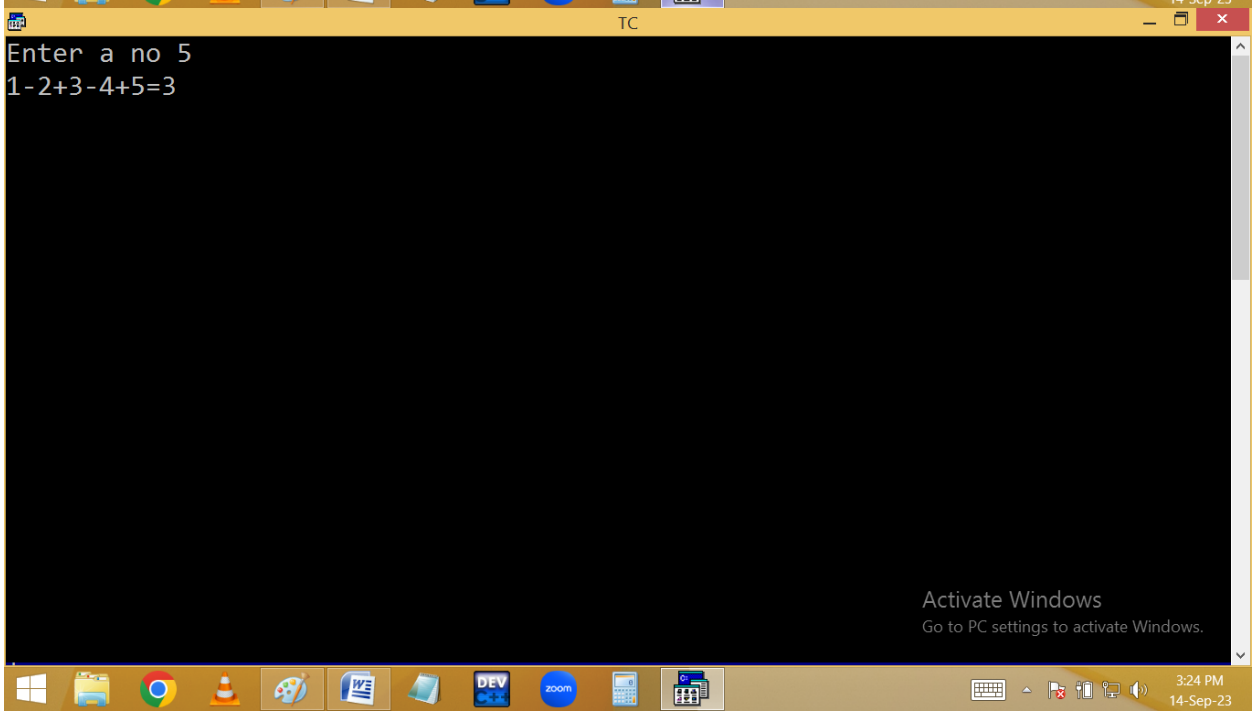
n=5 ==> 1-2+3-4+5=3

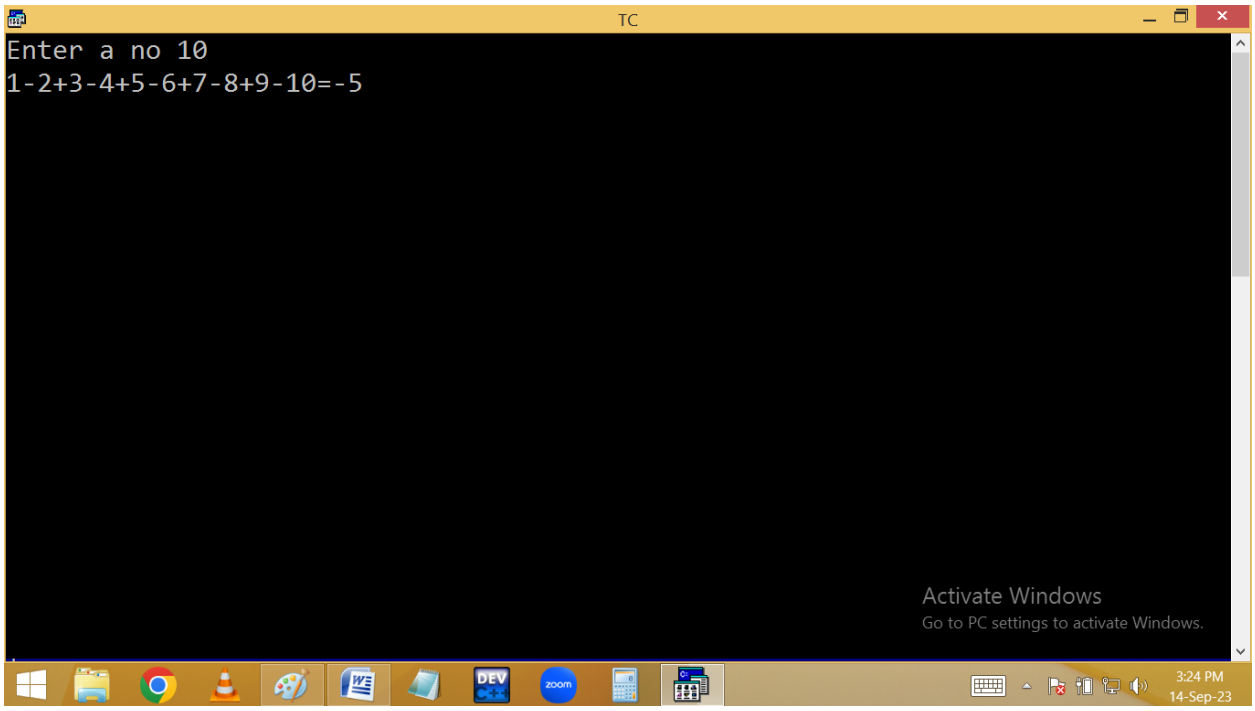
$$1 + 3 + 5 = 9$$

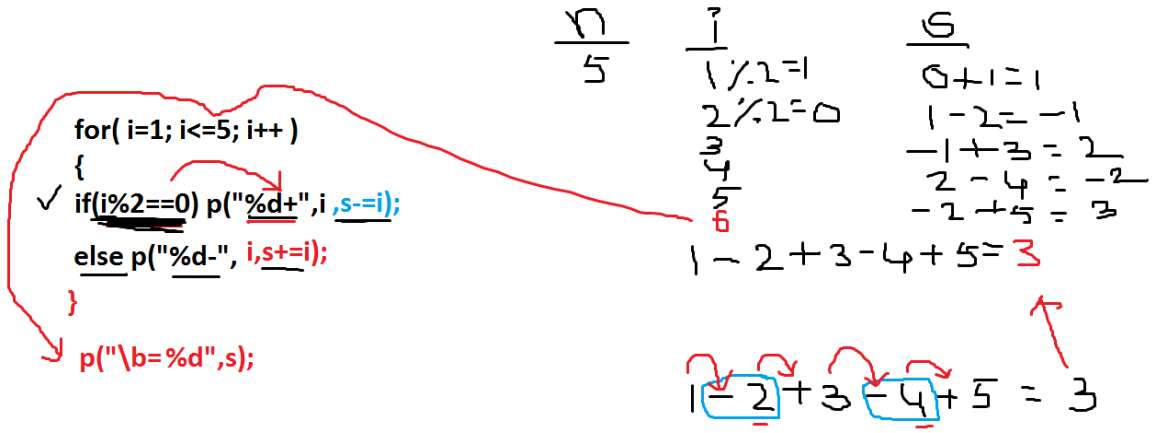
$$5 = 3$$

$$-2 + -4 = -6$$

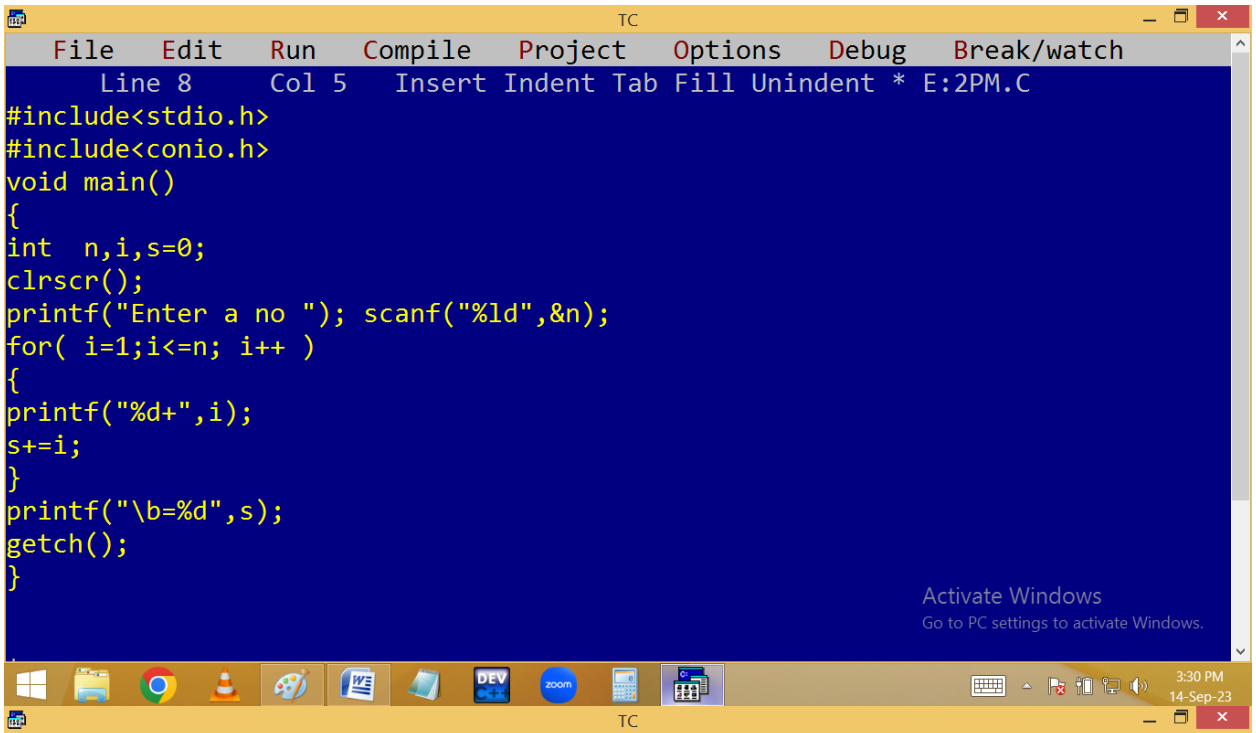

TC
File Edit Run Compile Project Options Debug Break/watch
Line 12 Col 17 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n,i,s=0;
clrscr();
printf("Enter a no "); scanf("%ld",&n);
for(i=1;i<=n; i++)
{
if(i%2==0)printf("%d+",i, s-=i);else printf("%d-",i,s+=i);
}
printf("\b=%d",s);
getch();
}
Activate Windows
Go to PC settings to activate Windows.
3:24 PM
14-Sep-23

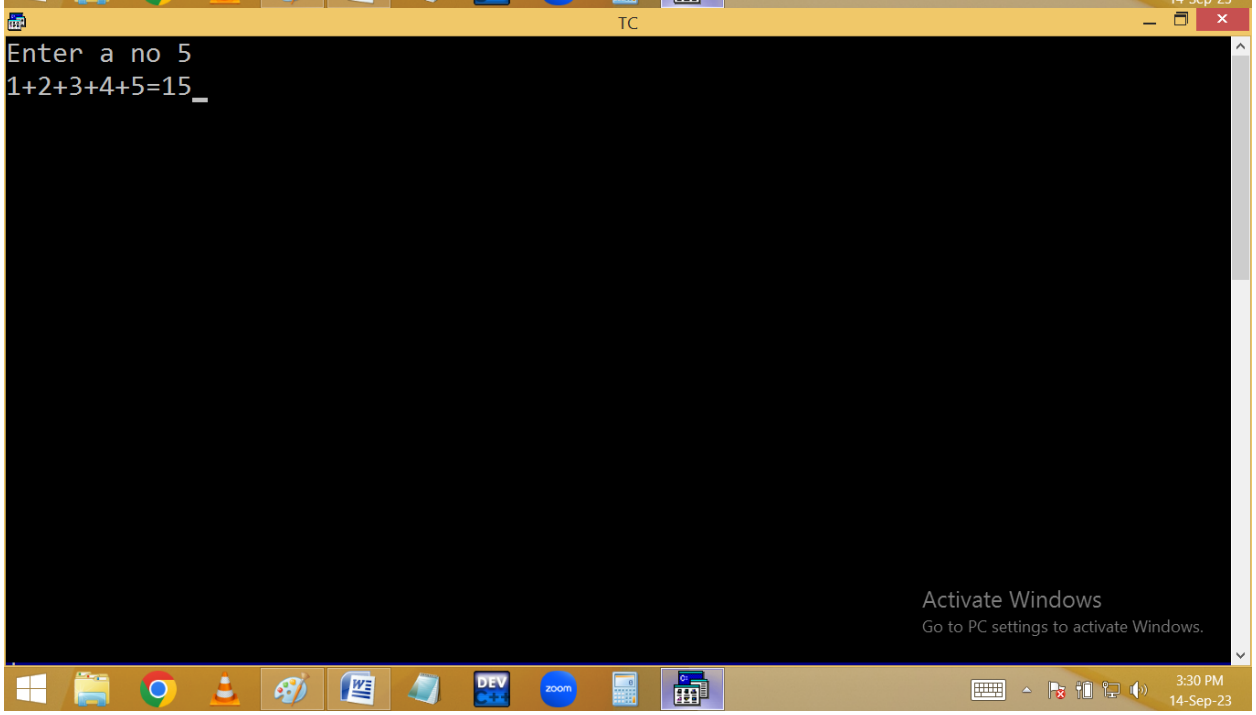

TC
Enter a no 5
1-2+3-4+5=3
Activate Windows
Go to PC settings to activate Windows.
3:24 PM
14-Sep-23





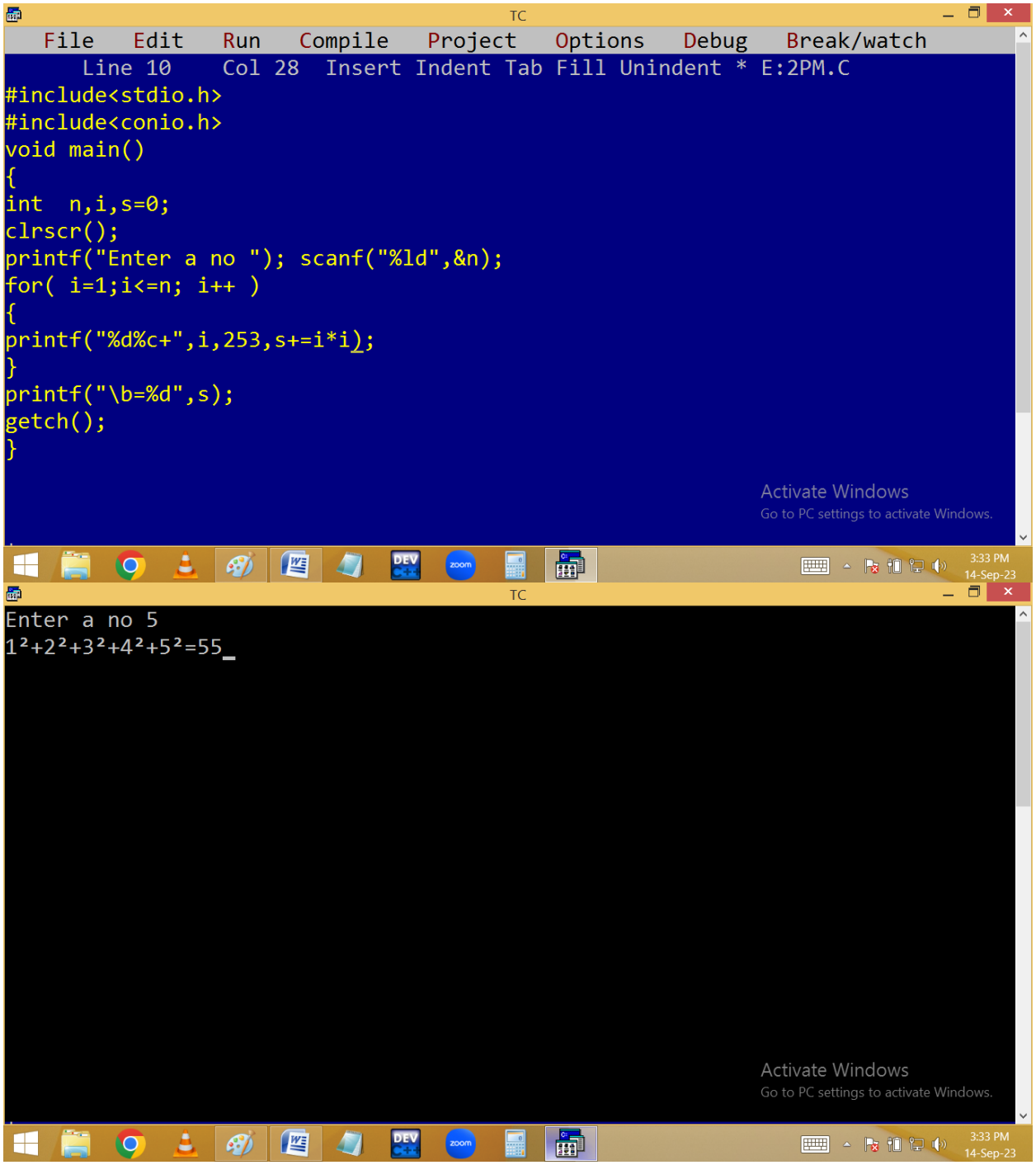
Printing 1..n number series sum



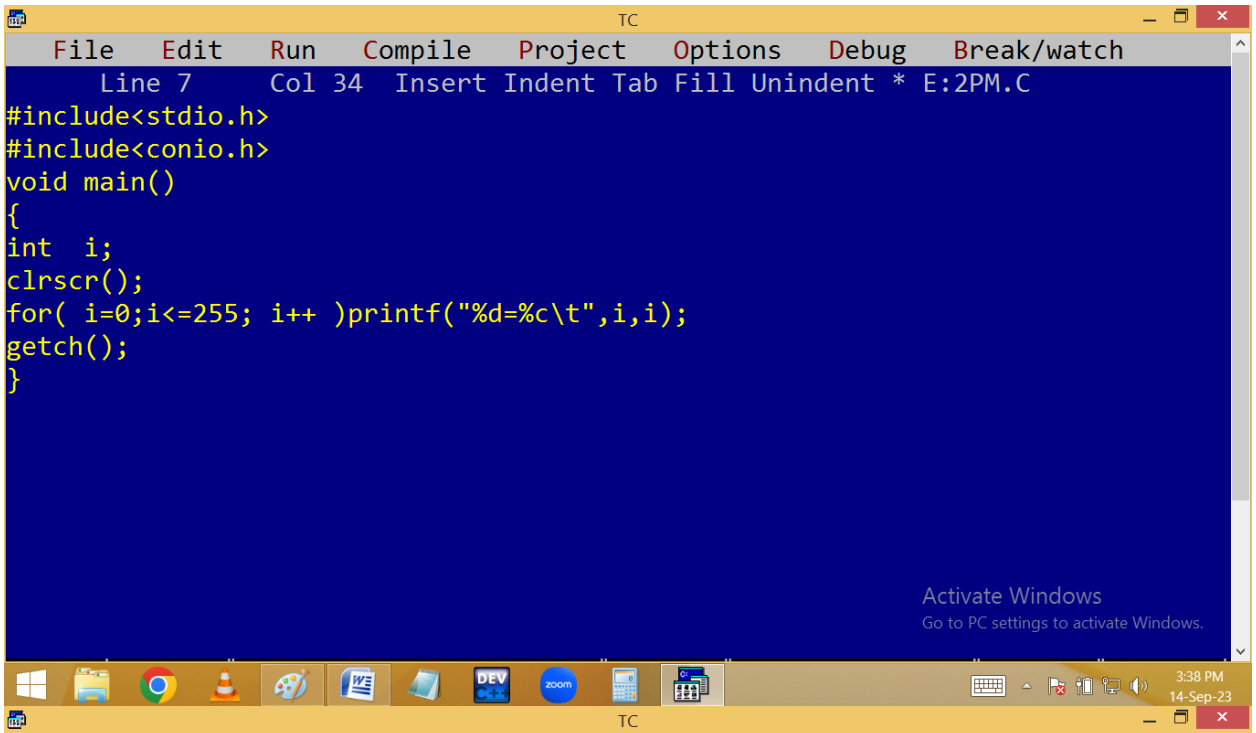


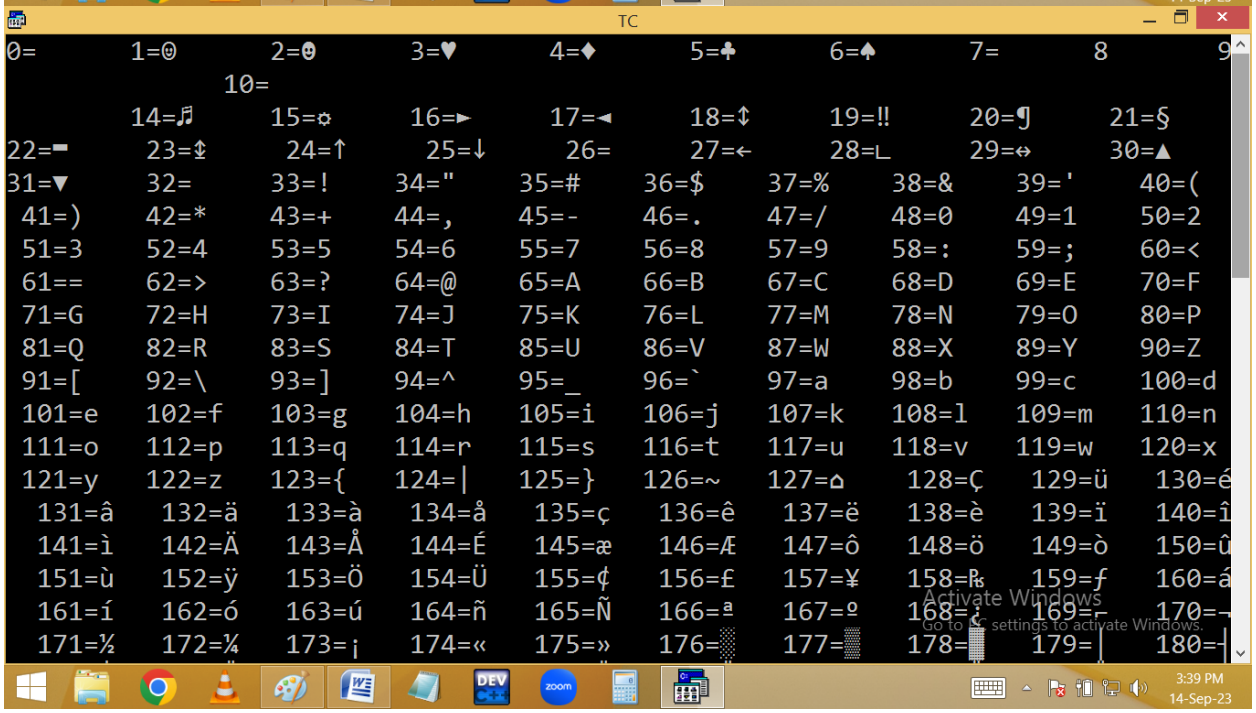
Printing square sum.

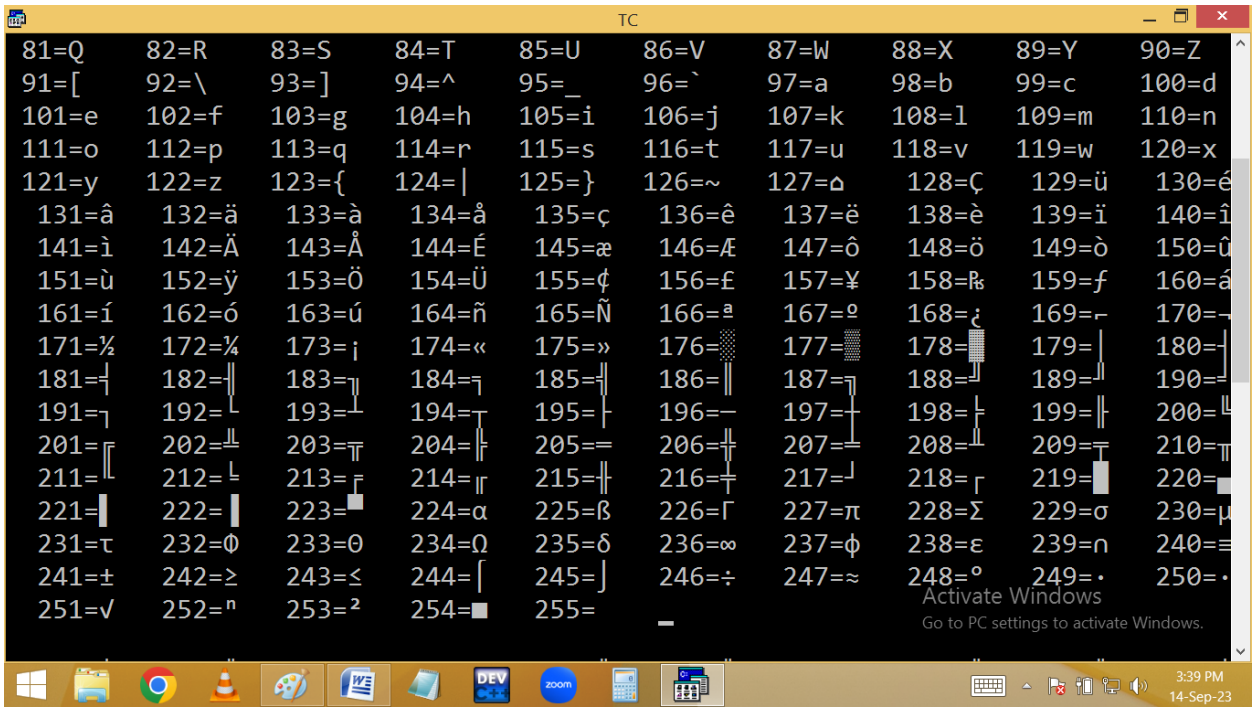
n=5 ➔ $1^2 + 2^2 + 3^2 + 4^2 + 5^2 = 55$



ASCII TABLE:

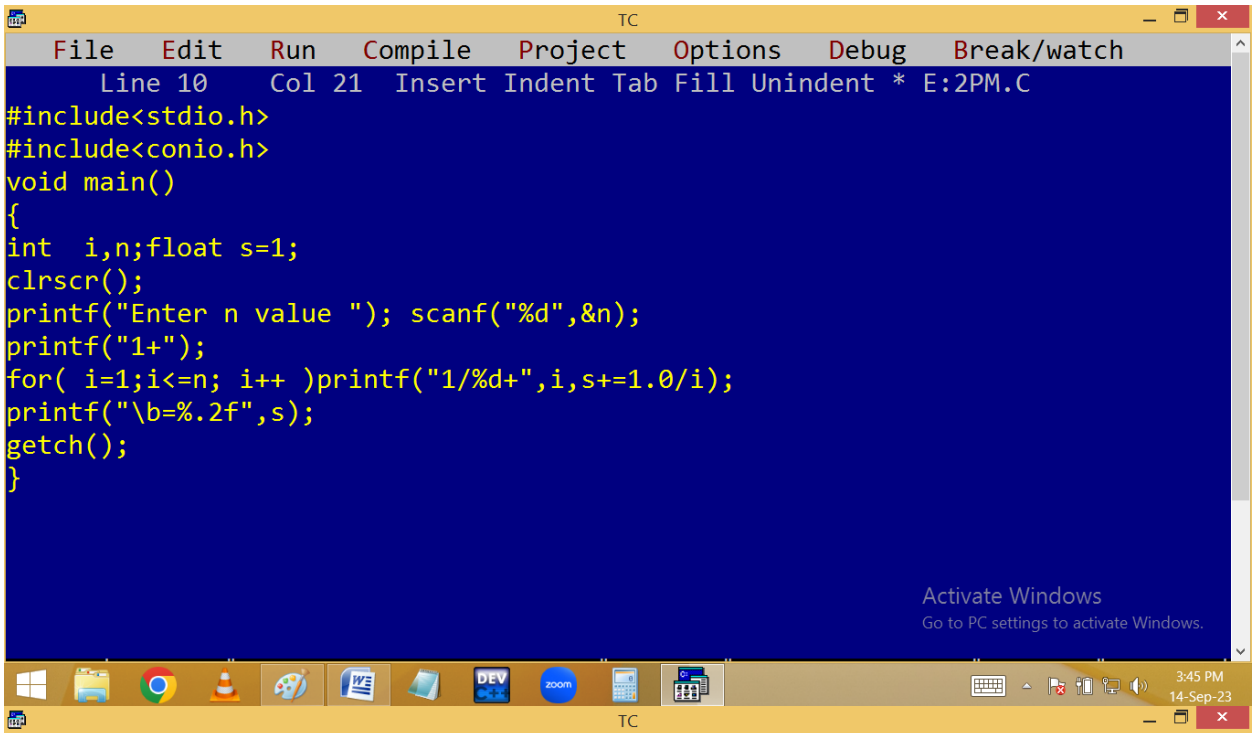

TC
File Edit Run Compile Project Options Debug Break/watch
Line 7 Col 34 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int i;
clrscr();
for(i=0;i<=255; i++)printf("%d=%c\t",i,i);
getch();
}
Activate Windows
Go to PC settings to activate Windows.
3:38 PM
14-Sep-23

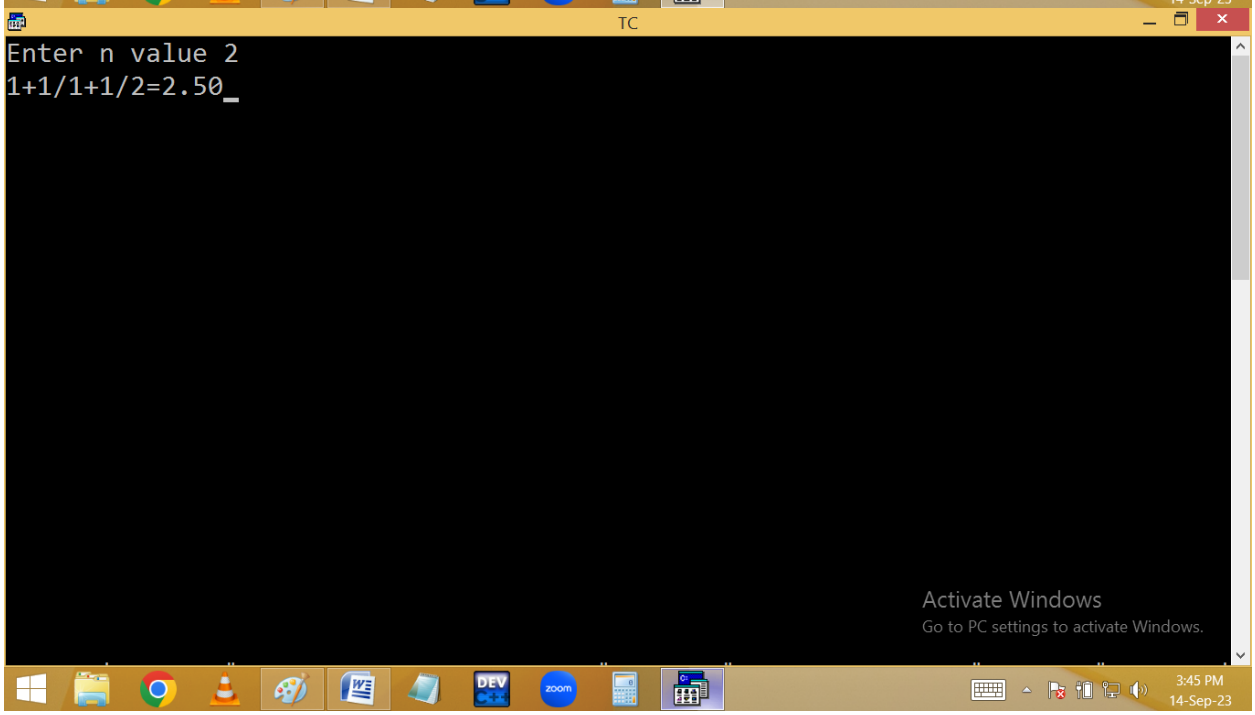

TC
0= 1=☺ 2=☻ 3=♥ 4=♦ 5=♣ 6=♠ 7= 8 9
10=
14=♫ 15=☼ 16=► 17=◄ 18=↕ 19=‼ 20=¶ 21=§
22=▬ 23=↨ 24=↑ 25=↓ 26= 27=← 28=∟ 29=↔ 30=▲
31=▼ 32= 33=! 34=" 35=# 36=$ 37=% 38=& 39=' 40=(
41=) 42=* 43=+ 44=, 45=- 46=. 47=/ 48=0 49=1 50=2
51=3 52=4 53=5 54=6 55=7 56=8 57=9 58=: 59=; 60=<
61== 62=> 63=? 64=@ 65=A 66=B 67=C 68=D 69=E 70=F
71=G 72=H 73=I 74=J 75=K 76=L 77=M 78=N 79=O 80=P
81=Q 82=R 83=S 84=T 85=U 86=V 87=W 88=X 89=Y 90=Z
91=[92=\ 93=] 94=^ 95=_ 96=` 97=a 98=b 99=c 100=d
101=e 102=f 103=g 104=h 105=i 106=j 107=k 108=l 109=m 110=n
111=o 112=p 113=q 114=r 115=s 116=t 117=u 118=v 119=w 120=x
121=y 122=z 123={ 124=| 125=} 126=~ 127=⌂ 128=Ç 129=ü 130=é
131=â 132=ä 133=à 134=å 135=ç 136=ê 137=ë 138=è 139=ï 140=î
141=ì 142=Ä 143=Å 144=É 145=æ 146=Æ 147=ô 148=ö 149=ò 150=û
151=ù 152=ÿ 153=Ö 154=Ü 155=¢ 156=£ 157=¥ 158=₧ 159=ƒ 160=á
161=í 162=ó 163=ú 164=ñ 165=Ñ 166=ª 167=º 168=¿ 169=⌐ 170=¬
171=½ 172=¼ 173=¡ 174=« 175=» 176=░ 177=▒ 178=▓ 179=│ 180=┤
Activate Windows
Go to PC settings to activate Windows.
3:39 PM
14-Sep-23



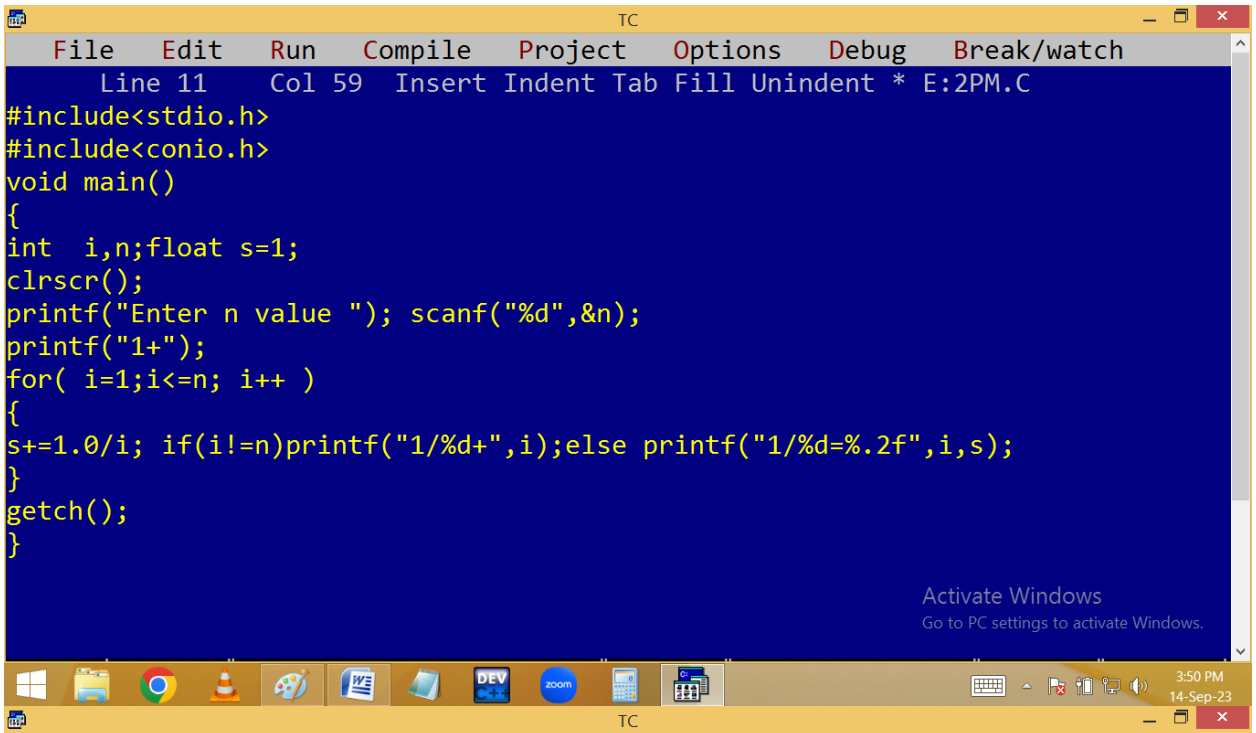
Harmonic series:

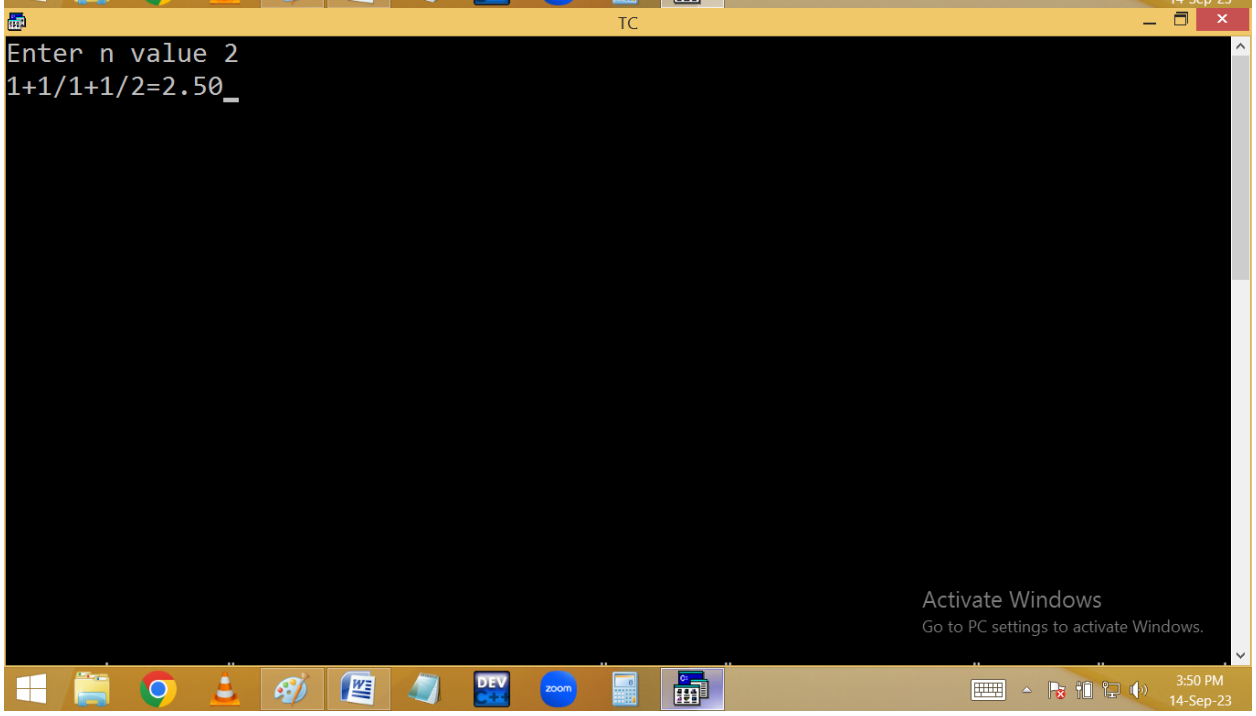
n=5 ➔ 1 + 1/1 + 1/2 +1/3 + 1/4 + 1/5 = sum





Without using \b:


TC
File Edit Run Compile Project Options Debug Break/watch
Line 11 Col 59 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int i,n;float s=1;
clrscr();
printf("Enter n value "); scanf("%d",&n);
printf("1+");
for(i=1;i<=n; i++)
{
s+=1.0/i; if(i!=n)printf("1/%d+",i);else printf("1/%d=%.2f",i,s);
}
getch();
}
Activate Windows
Go to PC settings to activate Windows.
3:50 PM
14-Sep-23


TC
Enter n value 2
1+1/1+1/2=2.50
Activate Windows
Go to PC settings to activate Windows.
3:50 PM
14-Sep-23