Printing given table?

Eg: 9th table

9***1**=9

9*2=18

9*3=27

...

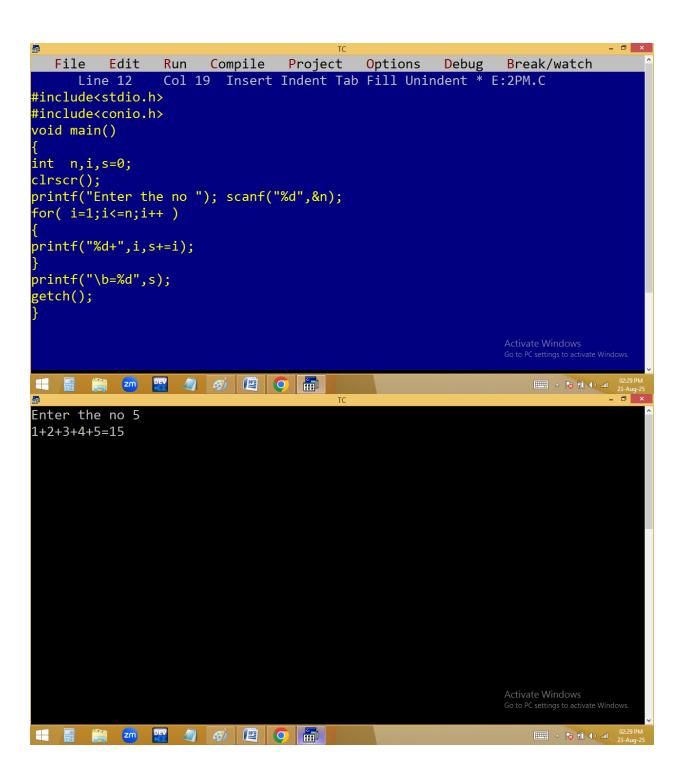
...

9***10**=90

```
File Edit Run Compile Project
                                  Options Debug Break/watch
     Line 3
              Col 1
                    Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int t,i;
clrscr();
printf("Enter table no "); scanf("%d",&t);
for( i=1;i<=10;i++ )
printf("%d*%d=%d\n",t,i,t*i);
getch();
△ 🔯 🛍 🕪 📶 02:23 F
Enter table no 9
9*1=9
9*2=18
9*3=27
9*4=36
9*5=45
9*6=54
9*7=63
9*8=72
9*9=81
9*10=90
△ 🗽 🛍 (IV) and 23-Aug
```

$$\frac{t}{q} \times i = \frac{t \times i}{q}$$
for(i=1; i<=10;i++)
$$\begin{cases} q \times i = q \\ -q \times i = q \\ -q \times i = q \end{cases}$$
printf("%d*%d=%d\n",t,i,t*i);
$$[0 - q0]$$

Print below series?



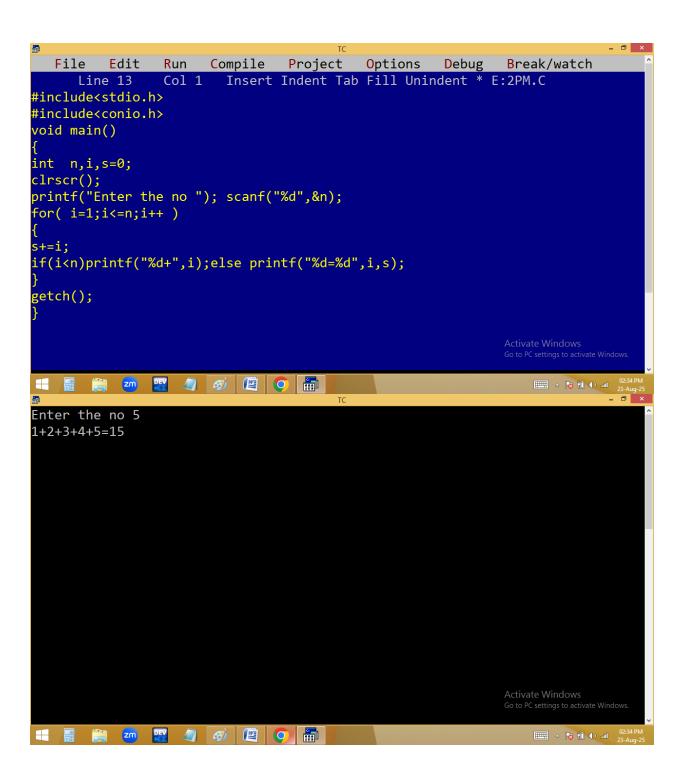
for(i=1; i<= 5; i++)

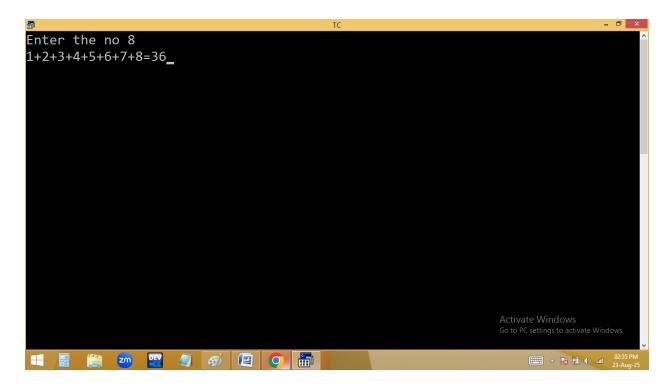
{

printf("%d'+'', i, s+=i);

$$1 + 0 = 1$$
 $2 + 1 = 3$
 $3 + 3 = 6$
 $4 + 6 = 10$
 $5 + 6 = 10$
 $5 + 6 = 15$
 $1 + 2 + 3 + 4 + 5 = 15$
 $1 + 2 + 3 + 4 + 5 = 15$

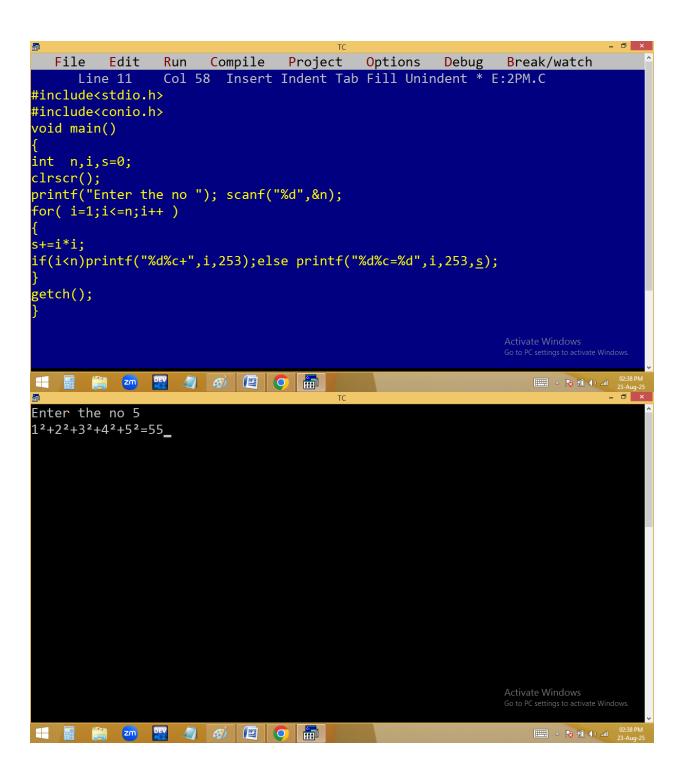
Without using \b:





Print below series?

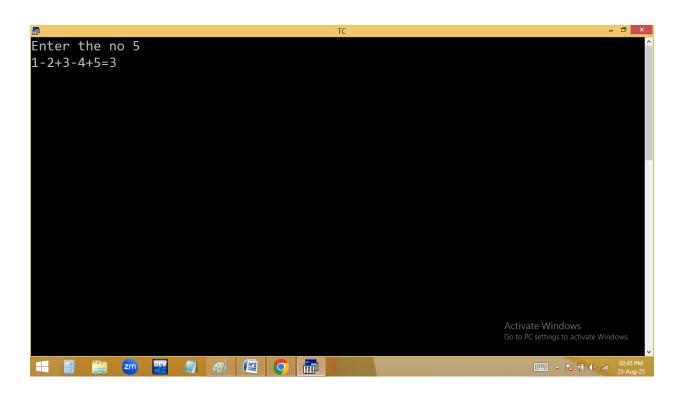
$$n=5 \rightarrow 1^2+2^2+3^2+4^2+5^2=55$$

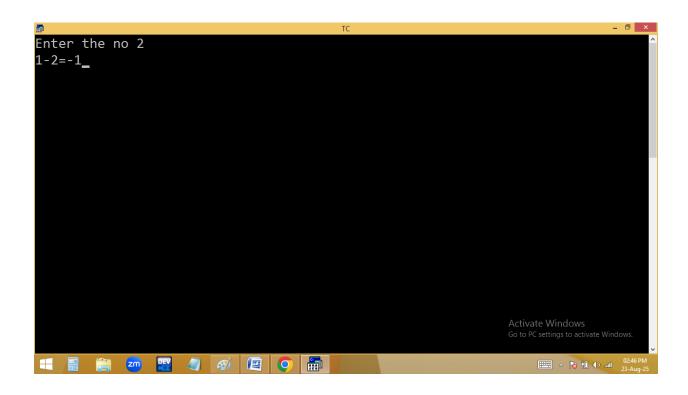


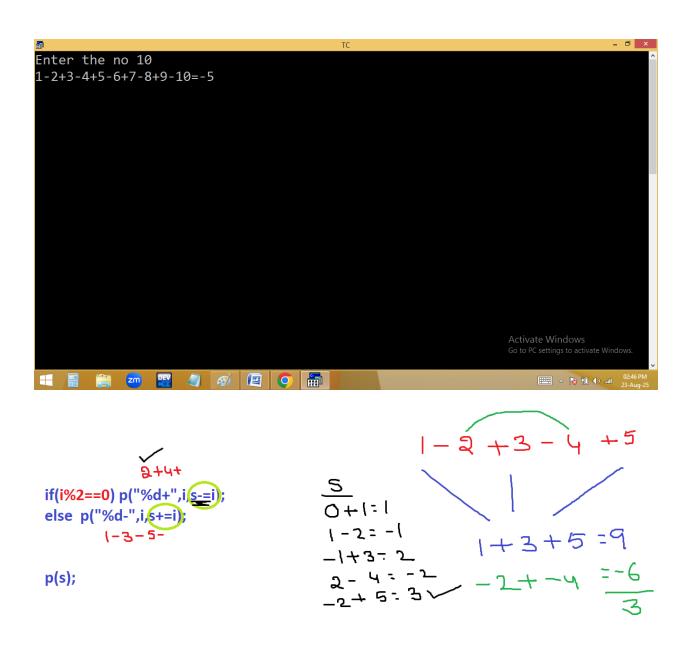
Print below series:

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

```
Debug
  File Edit
              Run
                   Compile
                            Project
                                     Options
                                                    Break/watch
     Line 12
              Col 19 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int n,i,s=0;
clrscr();
printf("Enter the no "); scanf("%d",&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();
```

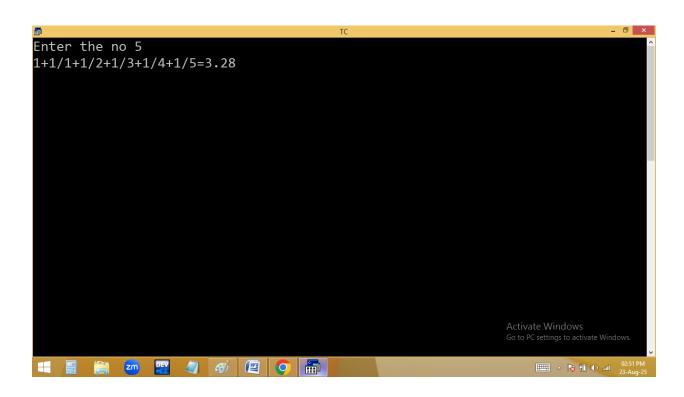






Print below Harmonic series:

```
_ 🗇 🗙
  File Edit
               Run
                     Compile Project
                                        Options Debug Break/watch
     Line 13
               Col 18 Insert Indent Tab Fill Unindent * E:2PM.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("\b=%.2f",<u>s</u>);
getch();
   △ 😿 🛍 (b) and 02:51
```



Print below series?

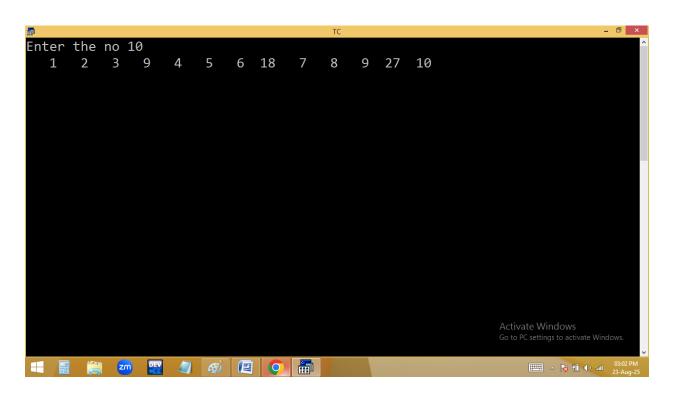
$n=10 \rightarrow 1239456187892710$

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

Line 11 Col 14 Insert Indent Tab Fill Unindent * E:2PM.C

#include<stdio.h>
#include<conio.h>
void main()
{
int n,i;
clrscr();
printf("Enter the no "); scanf("%d",&n);
for( i=1;i<=n;i++ )
{
printf("%4d",i);
if(i%3==0)printf("%4d",i*3);
}
getch();
}

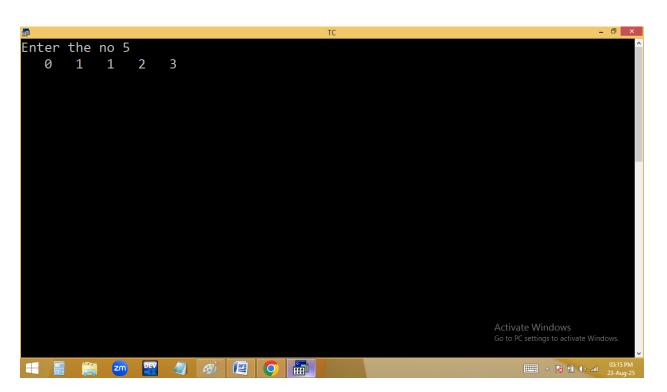
Activate Windows
Go to PC settings to activate Windows.
```

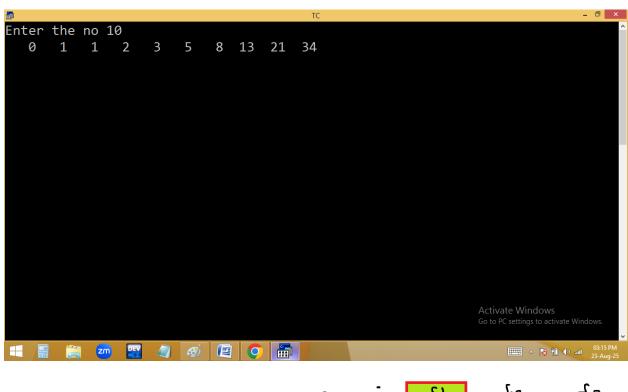


Fibonacci series:

 $n=5 \rightarrow 0 1 1 2 3$

```
File Edit Run Compile Project
                                      Options Debug Break/watch
                      Insert Indent Tab Fill Unindent * E:2PM.C
     Line 15
               Col 1
#include<stdio.h>
#include<conio.h>
void main()
int n,i,f1=0, f2=1,f3;
clrscr();
printf("Enter the no "); scanf("%d",&n);
for( i=1;i<=n;i++ )
printf("%4d",f1);
f3=f1+f2;
f1=f2;
f2=f3;
getch();
△ 🖟 🛍 🕪 📶 03:15 F
```



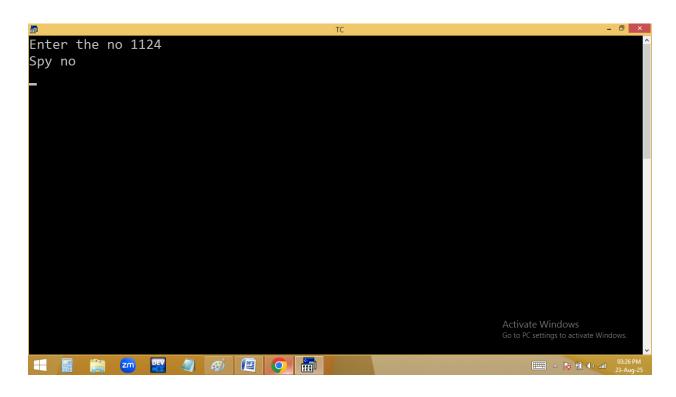


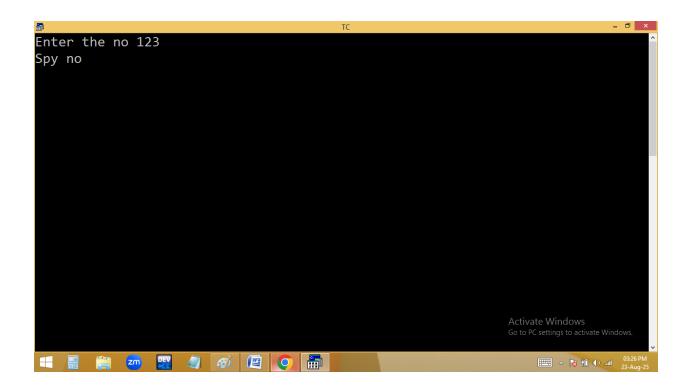
Finding spy no or not?

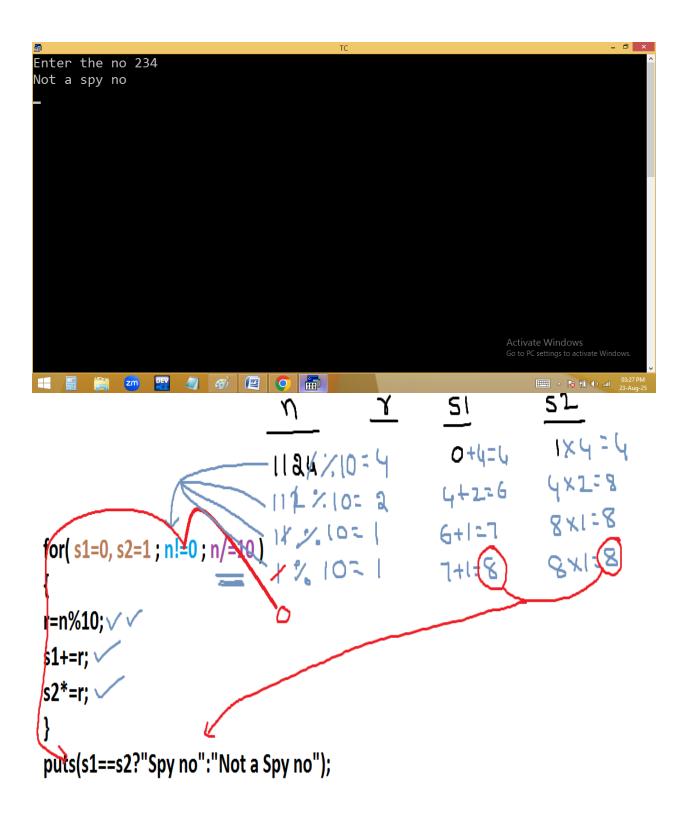
$$123 \rightarrow 1+2+3=6$$
 or $1*2*3=6$

$$1124 \rightarrow 1+1+2+4=8 \text{ or } 1*1*2*4=8$$

```
_ 🗇 🗙
  File Edit
               Run
                     Compile Project
                                        Options Debug Break/watch
     Line 14
               Col 38 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int n,i,s1, s2,r;
clrscr();
printf("Enter the no "); scanf("%d",&n);
for( s1=0,s2=1;n!=0; n/=10 )
r=n%10;
s1+=r;
s2*=r;
puts(s1==s2?"Spy no":"Not a spy no");_
getch();
      □□□□ △ □□ □03:26
23-Au
```





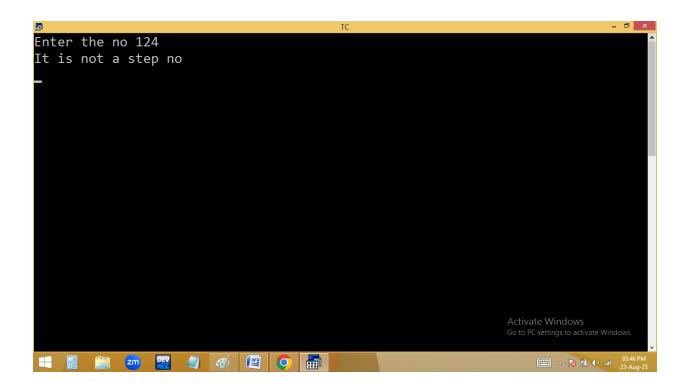


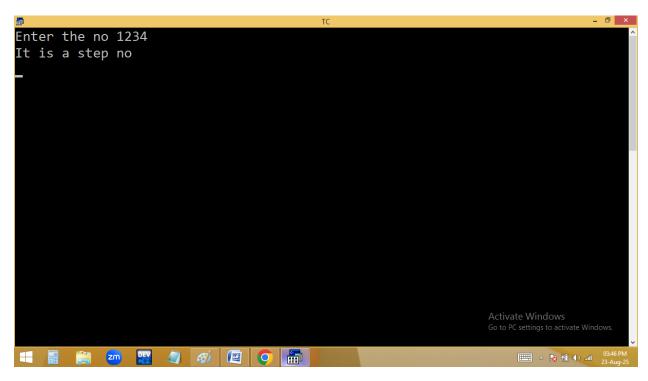
Finding step no or not?

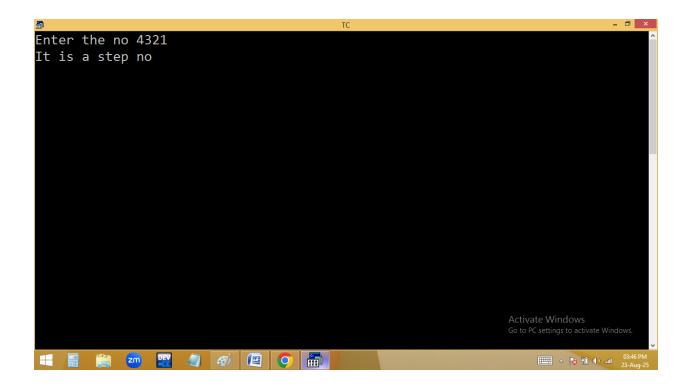
1234, 4321, 5678,...

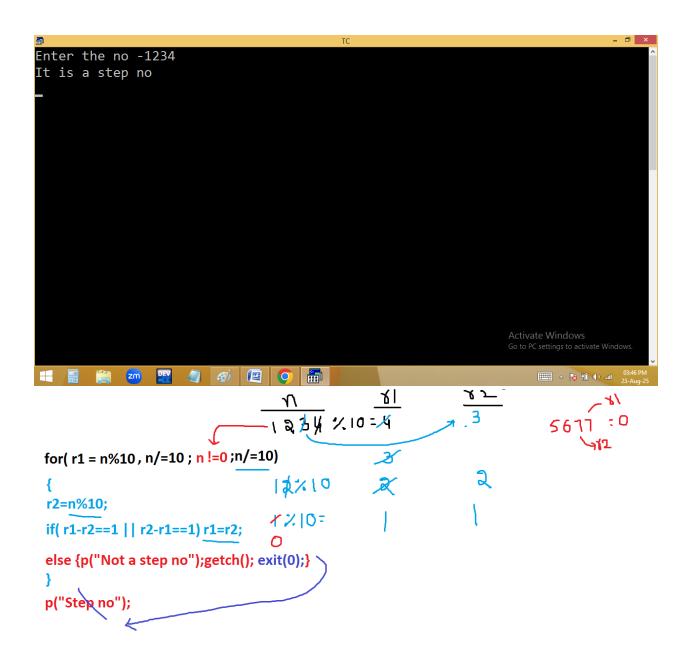
5677 ← not a step no

```
_ 🗇 ×
     Line 17 Col 46 Insert Indent Tab Fill Unindent
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
int n,r1,r2;
clrscr();
printf("Enter the no "); scanf("%d",&n);
for(r1=n%10,n=n/10; n!=0; n/=10 )
r2=n%10;
if(r1-r2==1||r2-r1==1)r1=r2;
else { puts("It is not a step no"); getch(); exit(0); }
puts("It is a step no");
getch();
          zm 🕎 🥒 🧭 🍱 👩 📠
```









Home work:

Find perfect no or not? Sum of factors is equal to given no

Eg: 6, 28 are perfect no's

6 factors are 1+2+3=6

28 factors are 1+2+4+7+14=28

Find prime no or not? No having 2 factors or divisible with 1 and itself only.

- 2 divisible with 1 and 2 only ← prime
- 3 divisible with 1 and 3 only ← prime
- 4 divisible with 1, 2, 4 only ← composite no