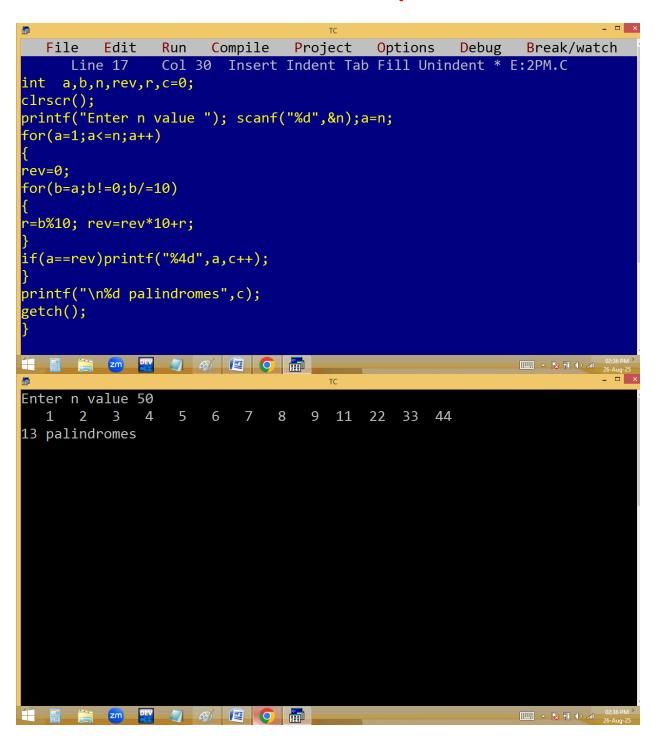
## Printing 1...n palindrome no's and count?

## n=50 -> 1 to 9 11 22 33 44 - 13 palindromes

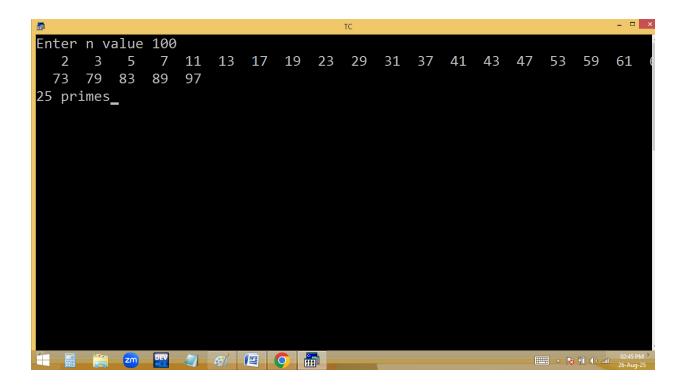


```
_ 🗆 ×
Enter n value 200
                                  9 11 22 33 44 55 66 77 88
      2 3
121 131 141 151 161 171 181 191
28 palindromes
       _____ ^ ▼ 10 (10) and 02:36 PM 26-Aug-2
50 for( a=1;a<=n;a++)
                                                      JeV
   rev=0;
                                            1+1/10=1 0×10+1=1
                                                       1 × 10+1= /(
                                           ナン10ニし
  for(b=a; b!=0;b/=10)
  int r=b%10;
  rev=rev*10+r;

if(a==rev)p(a);
```

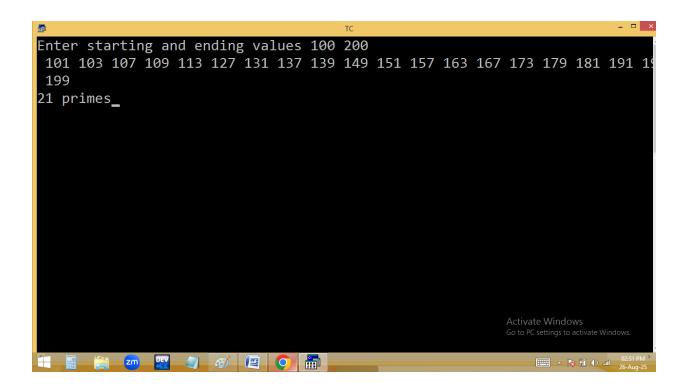
Print 1...n prime and count.

```
_ 🗆 ×
#include<stdio.h>
#include<conio.h>
void main()
int a,n,i,c,count=0;
clrscr();
printf("Enter n value "); scanf("%d",&n);
for(a=1;a<=n;a++)
for(c=0, i=1;i<=a;i++)
if(a%i==0)c++;
if(c==2)printf("%4d",a,count++);
printf("\n%d primes",count);
getch();
△ 🖟 🗓 (I) and 26-A
Enter n value 10
             7
  2
      3
         5
4 primes
02:45 PM → 100:45 PM → 26-Aug-25
```



Print n to n primes and count?

```
_ 🗆 ×
#include<stdio.h>
#include<conio.h>
void main()
int a,n,i,c,count=0; clrscr();
printf("Enter starting and ending values ");                                 scanf("%d%d",&a,&n);
if(a>n){a=a+n; n=a-n; a=a-n;}
for( ;a<=n;a++)
for(c=0, i=1;i<=a;i++)
if(a%i==0)c++;
if(c==2)printf("%4d",a,count++);
printf("\n%d primes",count);
getch();
_____ ^ 1 (•) and 02:
                                                                    _ 🗆 ×
Enter starting and ending values 40 10
 11 13 17 19 23 29 31 37
8 primes
_____ ^ ₹ 10 (>) ..... 02:51 P
```



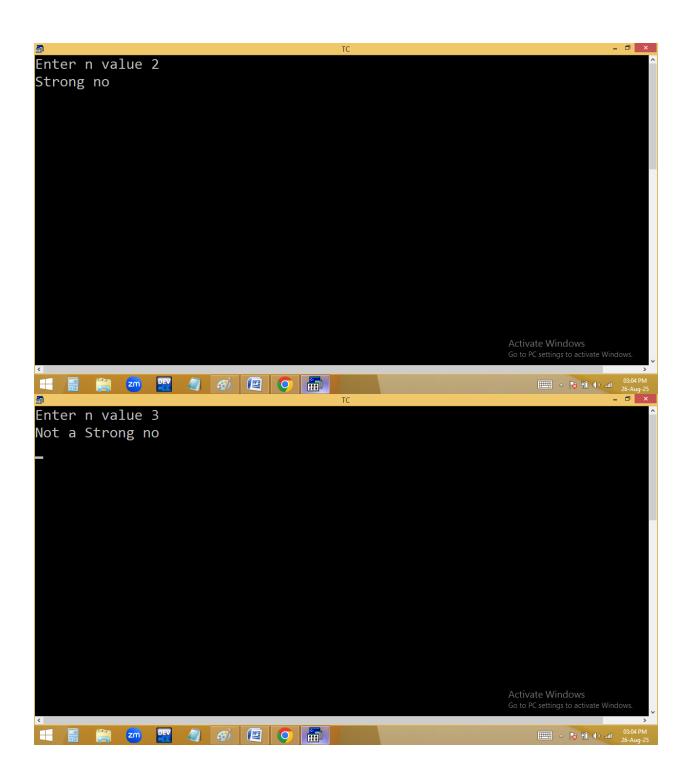
Finding Strong no or not?

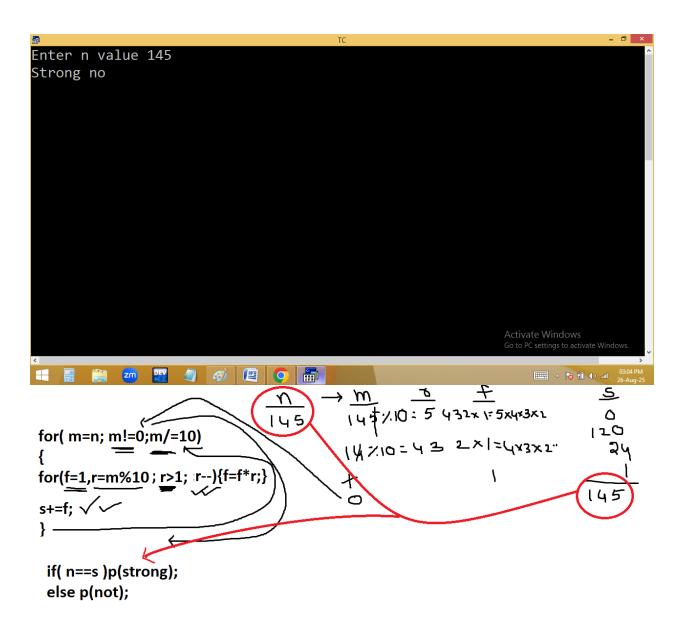
Sum of factorial of every digit is equal to given no

## Eg:

- 1 factorial is 1
- 2 factorial 2
- 3 factorial 6

```
_ 🗆 🗅
#include<stdio.h>
#include<conio.h>
void main()
int n,m,r,f,s=0;
clrscr();
printf("Enter n value "); scanf("%d",&n);
for(m=n;m!=0;m/=10)
for(r=m%10,f=1;r>1;r--)
f=f*r;
s+=f;
puts(n==s?"Strong no":"Not a Strong no");
getch();
Enter n value 1
Strong no
```



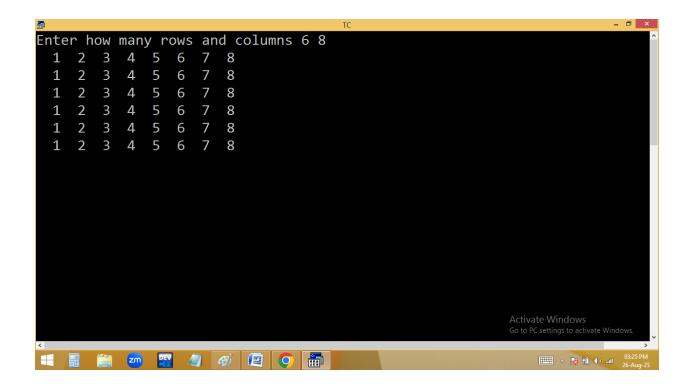


## **Patterns:**

```
_ 🗇 ×
                     Insert Indent Tab Fill Unindent * E:2PM.C
     Line 17
              Col 2
#include<stdio.h>
#include<conio.h>
void main()
int nr,nc,r,c;
clrscr();
printf("Enter how many rows and columns "); scanf("%d%d",&nr,&nc);
for(r=1;r<=nr;r++)
for(c=1;c<=nc;c++)
printf("*");
printf("\n");
getch();
△ 🔯 🕆 🕽 🕩 📶 03:2
Enter how many rows and columns 3 4
***
***
_____ △ 🚱 🕆 🕩 🕩 ...il 03:22 PI
```

```
_ 🗇 🗙
Enter how many rows and columns 5 10
*****
******
******
******
*****
△ 🖟 🛈 (1) and 03:22 PM 26-Aug-25
#include<stdio.h>
#include<conio.h>
void main()
int nr,nc,r,c;
clrscr();
printf("Enter how many rows and columns "); scanf("%d%d",&nr,&nc);
for(r=1;r<=nr;r++)
for(c=1;c<=nc;c++)
printf("* ");
printf("\n");
getch();
```

```
_ 🗇 🗙
Enter how many rows and columns 10 10
△ 🕞 🗓 (1) and 03:23 PM 26-Aug-2
     Line 17 Col 15 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int nr,nc,r,c;
clrscr();
printf("Enter how many rows and columns "); scanf("%d%d",&nr,&nc);
for(r=1;r<=nr;r++)
for(c=1;c<=nc;c++)
printf("%3d",c);
printf("\n");
getch();
△ 🖟 🗓 (1) and 03:24 P
```



```
_ 🗇 ×
#include<stdio.h>
#include<conio.h>
void main()
int nr,nc,r,c;
clrscr();
printf("Enter how many rows and columns "); scanf("%d%d",&nr,&nc);
for(r=1;r<=nr;r++)
for(c=1;c<=nc;c++)
printf("%3d",r);
printf("\n");
getch();
Enter how many rows and columns 6 6
    1
      1
         1
           1
              1
    2
      2
         2
           2
              2
    3
         3
           3
              3
 4
    4
      4
         4
           4
              4
    5
      5
         5
           5
              5
    6
      6
         6
           6
              6
_____ △ 🚱 🕆 🕩 🕪 ...il 03:25 PI
```

```
_ 🗇 ×
#include<stdio.h>
#include<conio.h>
void main()
int nr,nc,r,c,a=1;
clrscr();
printf("Enter how many rows and columns "); scanf("%d%d",&nr,&nc);
for(r=1;r<=nr;r++)
for(c=1;c<=nc;c++)
if(r%2==0)printf("%3d",--a);else printf("%3d",a++);
printf("\n");
getch();
△ 😿 🕆 🕩 🕬 📶 03:33 P
Enter how many rows and columns 5
10
 1 2
      3
           5
              6
               7
                  8
                     9 10
10 9
      8
           6
             5
                4
                   3
                     2 1
    2
           5
      3
              6
                  8
                    9 10
        4
               7
 10
    9
      8
           6
                   3
                     2 1
                4
    2
      3
           5
                   8 9 10
         4
```

```
_ 🗇 ×
#include<stdio.h>
#include<conio.h>
void main()
int nr,nc,r,c,a;
clrscr();
printf("Enter how many rows and columns "); scanf("%d%d",&nr,&nc);
for(r=1;r<=nr;r++)
{a=nc;
for(c=1;c<=nc;c++)
if(r%2==0)printf("%3d",a--);else printf("%3d",c);
printf("\n");
getch();
   △ 😿 🕆 🕩 🕩 📶 03:38 P
Enter how many rows and columns 7 7
            5
    2
       3
          4
               6
                  7
    6
       5
         4
            3
               2
                  1
    2
         4
            5
               6
    6
       5
 7
         4
            3 2
                 1
    2
       3
         4
            5
               6
                  7
    6
       5
 7
          4
            3
              2
                 1
    2
       3
          4
            5
               6
□□□□ △ 🔯 🕆 🕦 🕩 ...il 03:38 PI
```

```
_ 🗇 🗙
#include<stdio.h>
#include<conio.h>
void main()
int nr,nc,r,c,a;
clrscr();
printf("Enter how many rows and columns "); scanf("%d%d",&nr,&nc);
for(r=1;r<=nr;r++)
{a=r;
for(c=1;c<=nc;c++)
printf("%3d",a++);
printf("\n");
getch();
Enter how many rows and columns 3 5
           5
    2
      3
         4
   3
      4
         5
           6
   4
      5
        6
_____ △ 🏂 🕆 (1) and 03:42 PM
```

```
_ 🗇 🗙
            Col 18 Insert Indent Tab Fill Unindent * E:2PM.C
    Line 17
#include<stdio.h>
#include<conio.h>
void main()
int nr,nc,r,c,a;
clrscr();
printf("Enter how many rows and columns "); scanf("%d%d",&nr,&nc);
for(r=1;r<=nr;r++)
{a=r;
for(c=1;c<=nc;c++)
printf("%2c",64+c);
printf("\n");
getch();
  ____ △ [k 1] (h) and 03
26-
Enter how many rows and columns 10 26
ABCDEFGHIJKLMNOPQRSTUVWXYZ
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
ABCDEFGHIJKLMNOPQRSTUVWXYZ
                                           Activate Windows
△ 😿 🗓 (1) ...il 03:45 l
```

```
_ 🗇 ×
#include<stdio.h>
#include<conio.h>
void main()
int nr,nc,r,c,a;
clrscr();
printf("Enter how many rows and columns ");                                 scanf("%d%d",&nr,&nc);
for(r=1;r<=nr;r++)
{a=r;
for(c=1;c<=nc;c++)
printf("%2c",96+c);
printf("\n");
getch();
  Enter how many rows and columns 15 26
abcdefghijklmnopqrstuvwxyz
abcdefghijklmnopqrstuvwxyz
abcdefghijklmnopqrstuvwxyz
abcdefghijklmnopqrstuvwxyz
abcdefghijklmnopqrstuvwxyz
a b c d e f g h i j k l m n o p q r s t u v w x y z
abcdefghijklmnopqrstuvwxyz
a b c d e f g h i j k l m n o p q r s t u v w x y z
abcdefghijklmnopqrstuvwxyz
a b c d e f g h i j k l m n o p q r s t u v w x y z
abcdefghijklmnopqrstuvwxyz
abcdefghijklmnopqrstuvwxyz
abcdefghijklmnopqrstuvwxyz
abcdefghijklmnopqrstuvwxyz
abcdefghijklmnopqrstuvwxyz
                                         Activate Windows
△ 😿 📆 (b) .ad 03:46
```