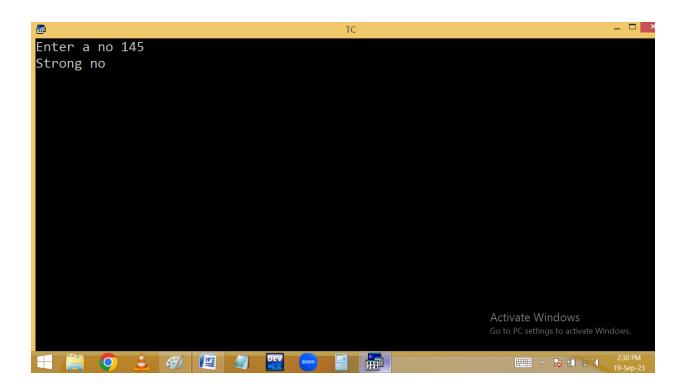
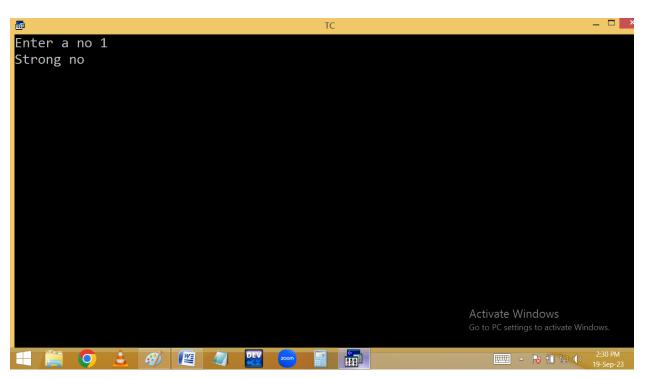
Finding strong no or not.

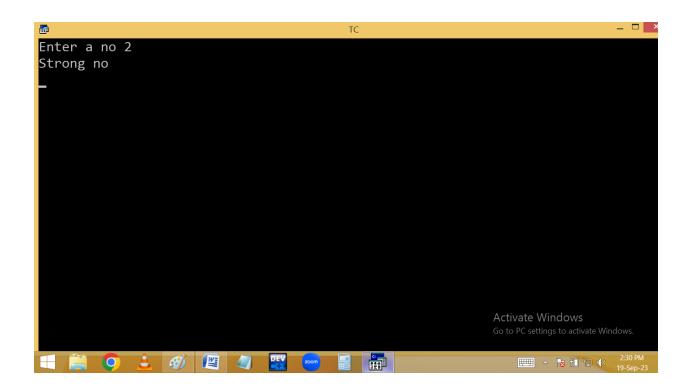
- 1 factorial is 1
- 2 factorial 2

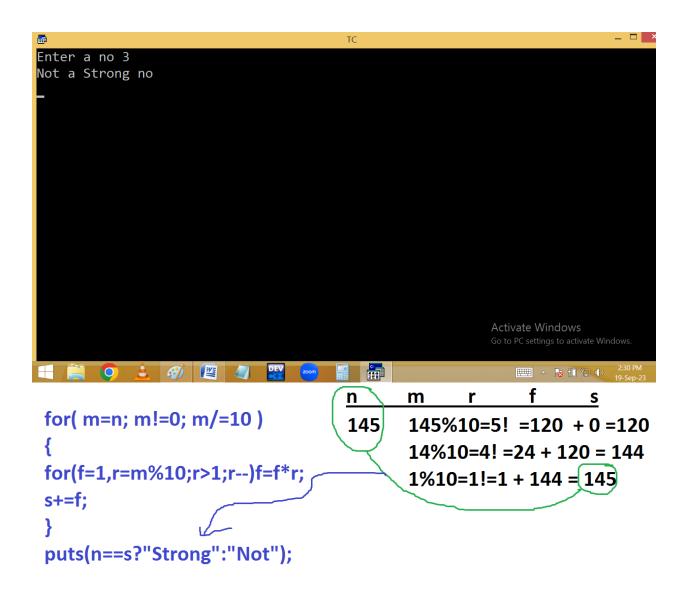
$$145 \rightarrow 1! + 4! + 5! = 1 + 24 + 120 = 145$$

```
File Edit Run Compile Project Options Debug Break/watch
               Col 36 Insert Indent Tab Fill Unindent * E:2PM.C
     Line 13
#include<stdio.h>
#include<conio.h>
void main()
int n,m,f,r,s=0;
clrscr();
printf("Enter a no "); scanf("%d",&n);
for(m=n;m!=0;m/=10)
for(f=1,r=m%10; r>1; r-- )f=f*r;
puts(n==s?"Strong no":"Not a Strong no");
getch();
                                                    Activate Windows
2:30 PM
```



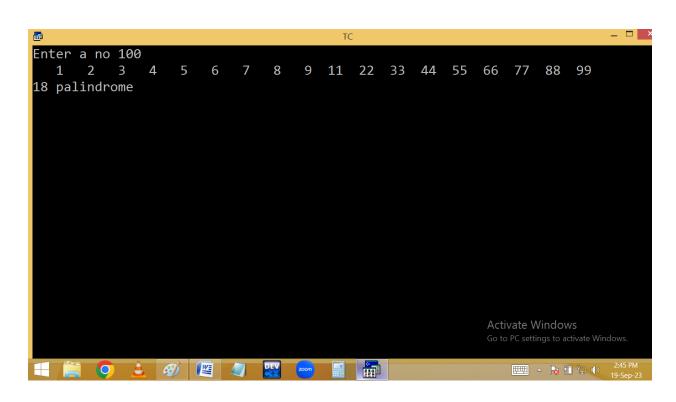


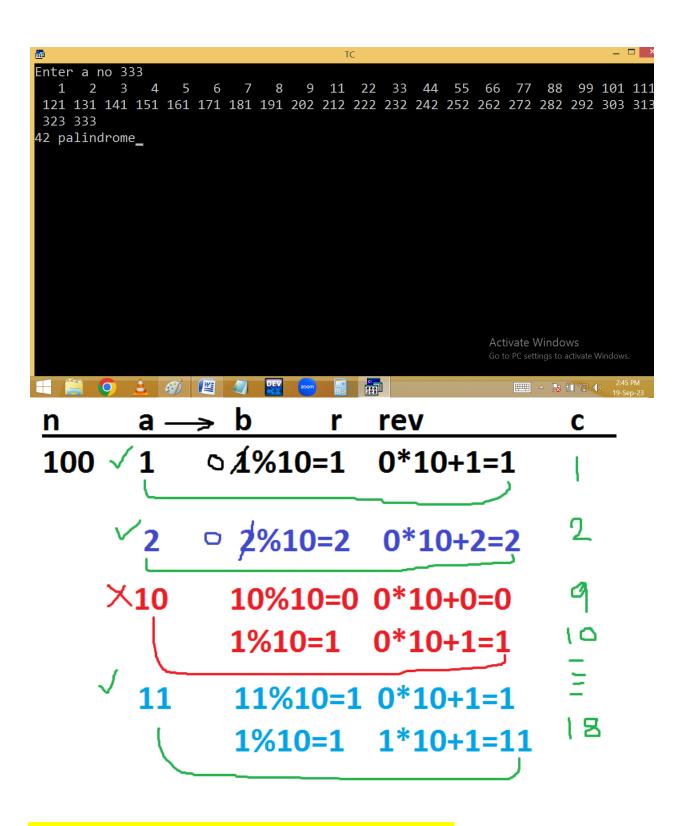




Printing 1...n palindromes and count.

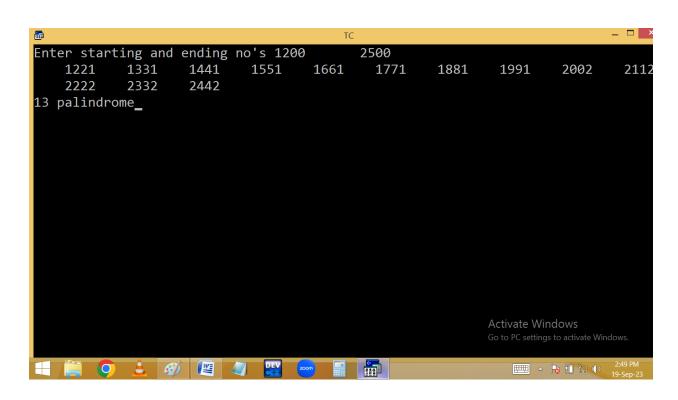
```
_ 🗆 ×
  File Edit Run Compile Project Options Debug Break/watch
               Col 12 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int n,a,b,rev,c=0;
clrscr();
printf("Enter a no "); scanf("%d",&n);
for(a=1;a<=n;a++)
for(b=a,rev=0; b!=0; b/=10 ){rev=rev*10+(b%10);}
if(a==rev)printf("%4d",a,c++);
printf("\n%d palindrome",c);
getch();
                                                      Activate Windows
   △ 🖟 🛈 🗘 (1) 2:45 Pl
```



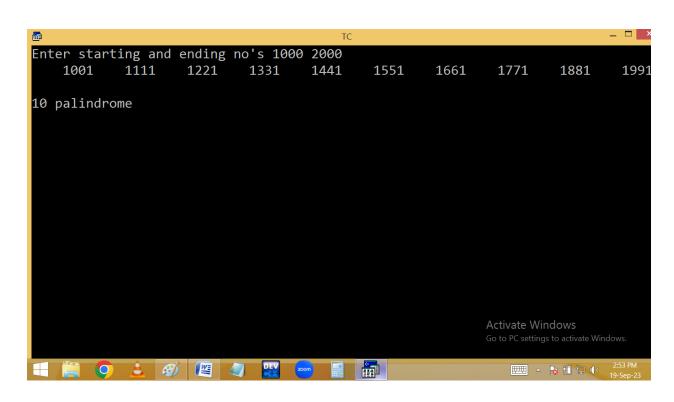


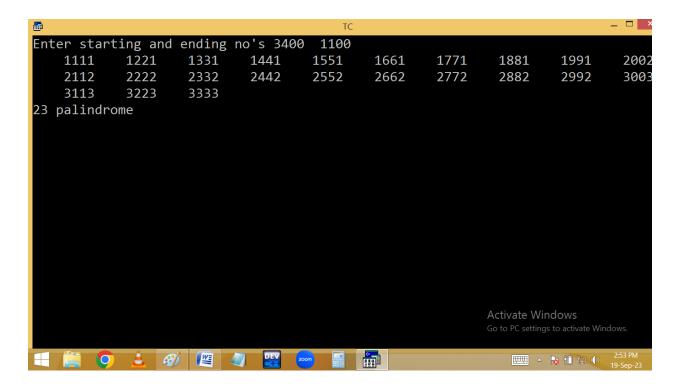
Printing n to n Palindromes and count.

```
_ 🗆 ×
  File Edit Run Compile Project
                                       Options Debug
                                                         Break/watch
                Col 21 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int n,a,b,rev,c=0;
clrscr();
printf("Enter starting and ending no's "); scanf("%d %d",&a,&n);
for(;a<=n;a++)
for(b=a,rev=0; b!=0; b/=10 ){rev=rev*10+(b%10);}
if(a==rev)printf("%8d",a,c++);
printf("\n%d palindrome",c);
getch();
                                                       Activate Windows
      △ 🖟 🛈 🗘 (1) 2:49 Pl
```



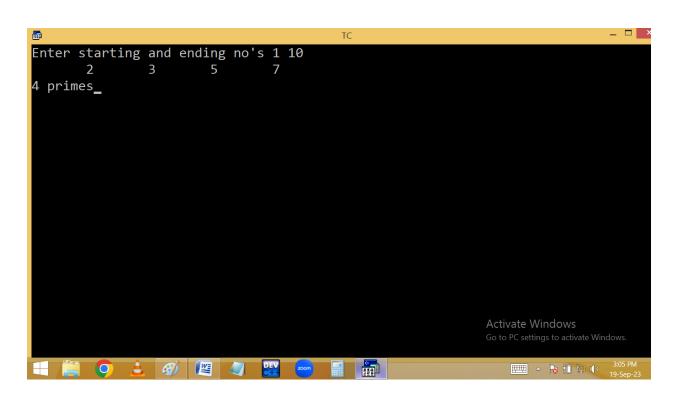
```
_ 🗆 ×
  File Edit Run Compile Project Options Debug Break/watch
               Col 26 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int n,a,b,rev,c=0;
clrscr();
printf("Enter starting and ending no's "); scanf("%d %d",&a,&n);
if(a>n){ int t=a; a=n;n=t; }
for(;a<=n;a++)
for(b=a,rev=0; b!=0; b/=10 ){rev=rev*10+(b%10);}
if(a==rev)printf("%8d",a,c++);
printf("\n%d palindrome",c);
getch();
                                                      Activate Windows
      2:53 Pl
```





Finding n..n prime's and count:

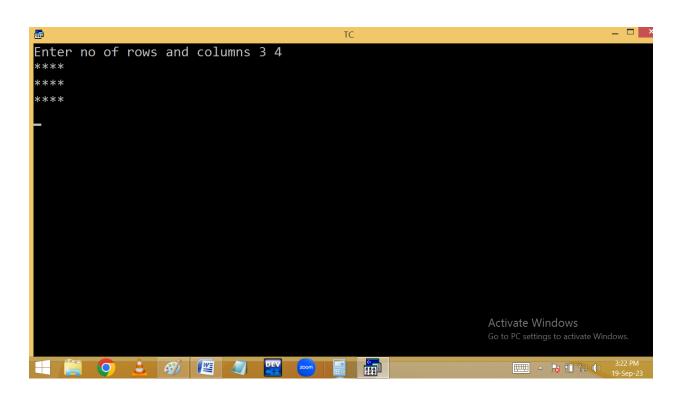
```
_ 🗆 ×
  File Edit Run Compile Project Options Debug Break/watch
     Line 14
               Col 20 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int n,a,b,f,c=0;
clrscr();
printf("Enter starting and ending no's "); scanf("%d %d",&a,&n);
if(a>n){ int t=a; a=n;n=t; }
for(;a<=n;a++)
for(b=1,f=0; b<=a; b++ ){if(a%b==0)f++;}
if(f==2)printf("%8d",a,c++);
printf("\n%d primes",c);
getch();
                                                       Activate Windows
       △ 🖟 🛈 🗘 (1) 3:04 Pl
```

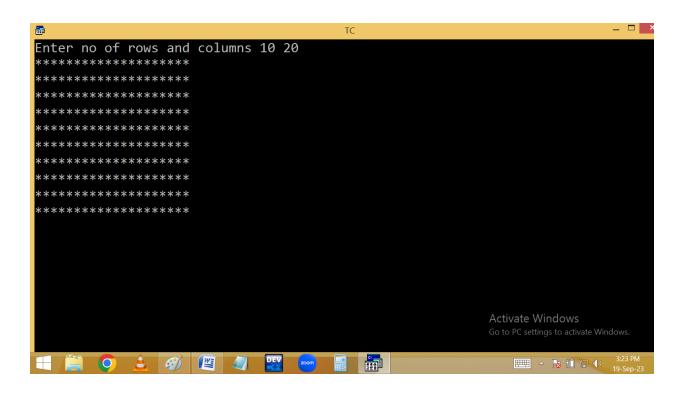


```
_ 🗆 ×
                                  TC
Enter starting and ending no's 999
                                777
                 809
    787
           797
                        811
                                      823
                                             827
                                                    829
                                                          839
                                                                 853
                               821
    857
           859
                 863
                        877
                               881
                                      883
                                             887
                                                    907
                                                          911
                                                                 919
    929
           937
                 941
                        947
                               953
                                      967
                                             971
                                                   977
                                                          983
                                                                 991
    997
31 primes
                                                 Activate Windows
3:05 PM
                                                 b
                                                        f
                                          n
                                              a
                                                              C
for( a=2; a<=n; a++)
                                          10 2% 1=0
                                                        012
                                                              1
                                              2%2=0
for( b=1,f=0;b<=a;b++)
                                              3%1=0
                                                        012
                                                              2
                                              3%2=1
if(a%b==0)f++;
                                              3%3=0
                                              4%1=0
                                                        0123
if(f==2)p(a, c++);
                                              4%2=0
                                              4%4=0
p("%d primes",c);
```

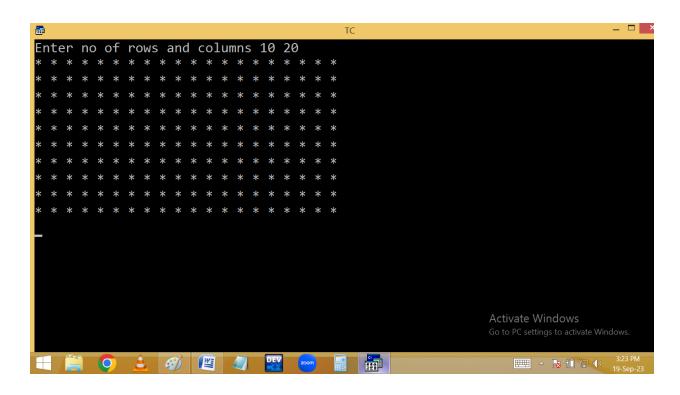
Patterns:

```
_ 🗆 ×
  File Edit Run Compile Project Options Debug Break/watch
               Col 2 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int nr,nc,r,c;
clrscr();
printf("Enter no of rows and columns "); scanf("%d %d",&nr,&nc);
for(r=1;r<=nr;r++)
for(c=1; c<=nc; c++ )
printf("*");
printf("\n");
                                                       Activate Windows
getch();
      △ 🖟 🛈 🗘 (1) 3:22 Pl
```

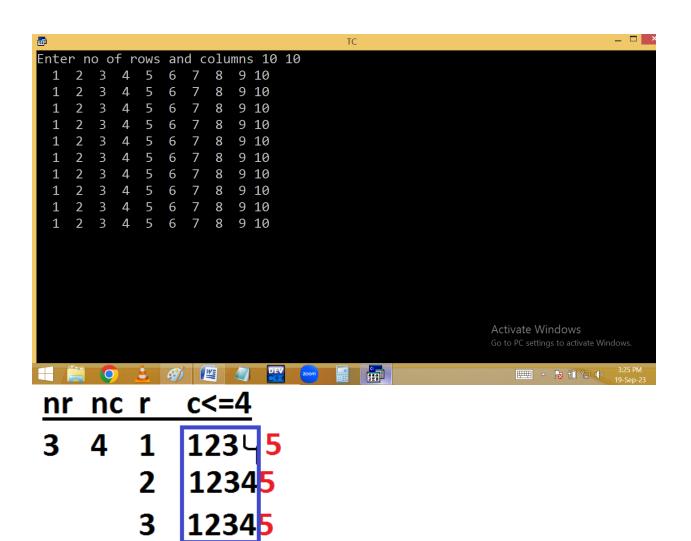




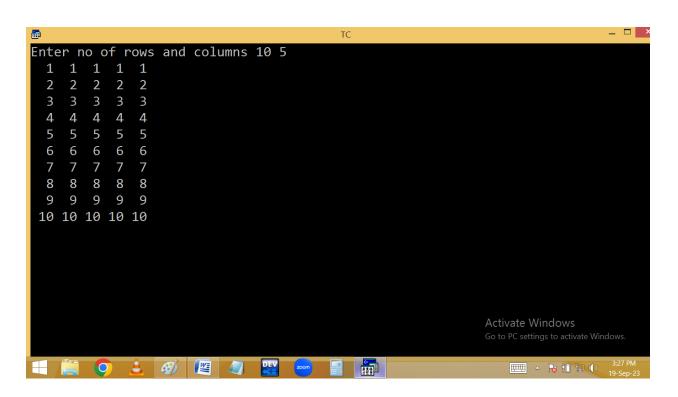
```
_ 🗆 ×
  File Edit Run
                     Compile Project Options Debug Break/watch
     Line 12
               Col 11 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int nr,nc,r,c;
clrscr();
printf("Enter no of rows and columns "); scanf("%d %d",&nr,&nc);
for(r=1;r<=nr;r++)
for(c=1; c<=nc; c++ )
printf("* ");
printf("\n");
                                                      Activate Windows
getch();
                                                         3:23 PM 19-Sep-2:
```



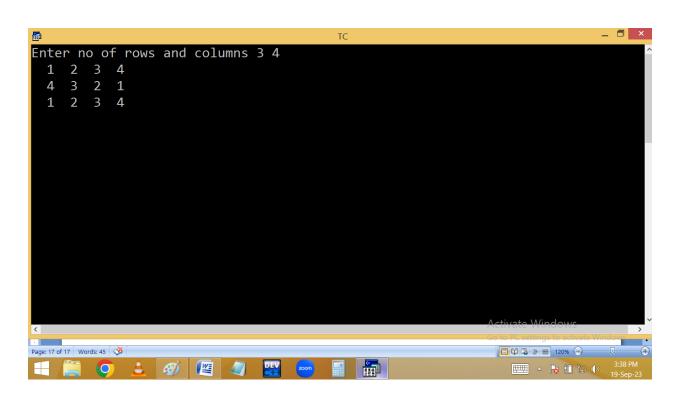
```
_ 🗆 ×
  File Edit Run
                    Compile Project
                                       Options Debug Break/watch
     Line 12
               Col 15 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int nr,nc,r,c;
clrscr();
printf("Enter no of rows and columns "); scanf("%d %d",&nr,&nc);
for(r=1;r<=nr;r++)
for(c=1; c<=nc; c++ )
printf("%3d",c);
printf("\n");
                                                     Activate Windows
getch();
                                                        3:25 PM
```



```
_ 🗆 ×
  File Edit Run Compile Project Options Debug Break/watch
               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 no of 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");
                                                       Activate Windows
getch();
      △ 🖟 🛈 🗘 (b) 3:26 Pl
```



```
_ 🗆 ×
             Col 52 Insert Indent Tab Fill Unindent * E:2PM.C
    Line 18
#include<stdio.h>
#include<conio.h>
void main()
int nr,nc,r,c,a;
clrscr();
printf("Enter no of rows and columns "); scanf("%d %d",&nr,&nc);
for(r=1;r<=nr;r++)
a=nc;
for(c=1; c<=nc; c++ )
printf("\n");
                                              Activate Windows
getch();
     3:38 PI
```



```
_ 🗇 ×
Enter no of rows and columns 5 10
 1 2 3 4 5 6 7 8
                  9 10
10
  9 8 7
           5
              4
                3
                  2 1
          6
 1 2
         5
            6
                8
                  9 10
10 9 8 7
         6
            5 4
  2 3
       4
         5
            6 7
                8 9 10
                                          Activate Windows
△ 🖟 🛈 🗘 (b) 3:38 F
```

```
File Edit Run Compile Project Options Debug Break/watch
     Line 14
               Col 17 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int nr,nc,r,c,a;
clrscr();
printf("Enter no of 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"); _
                                                    Activate Windows
getch();
                                                       3:46 PM
```

home work

AAAA	AbCdE	AAAA	AaBbCc
BBBB	AbCdE	aaaa	AaBbCc
CCCC	AbCdE	BBBB	AaBbCc
		bbbb	