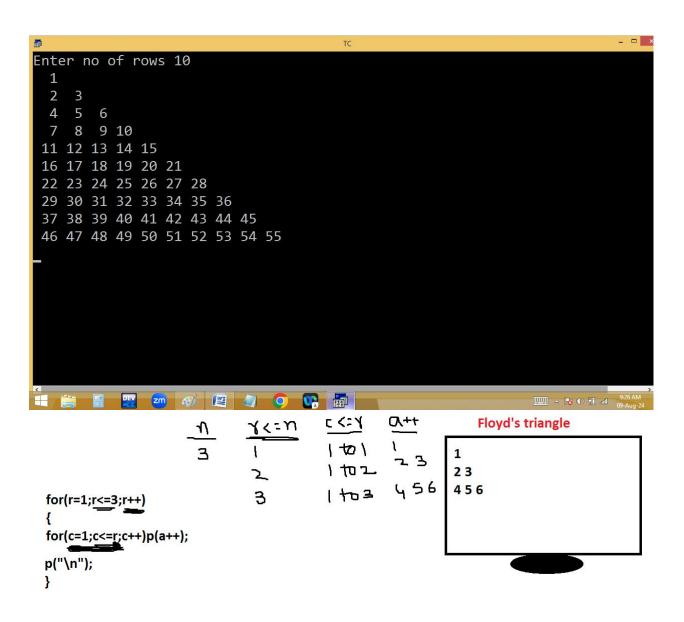
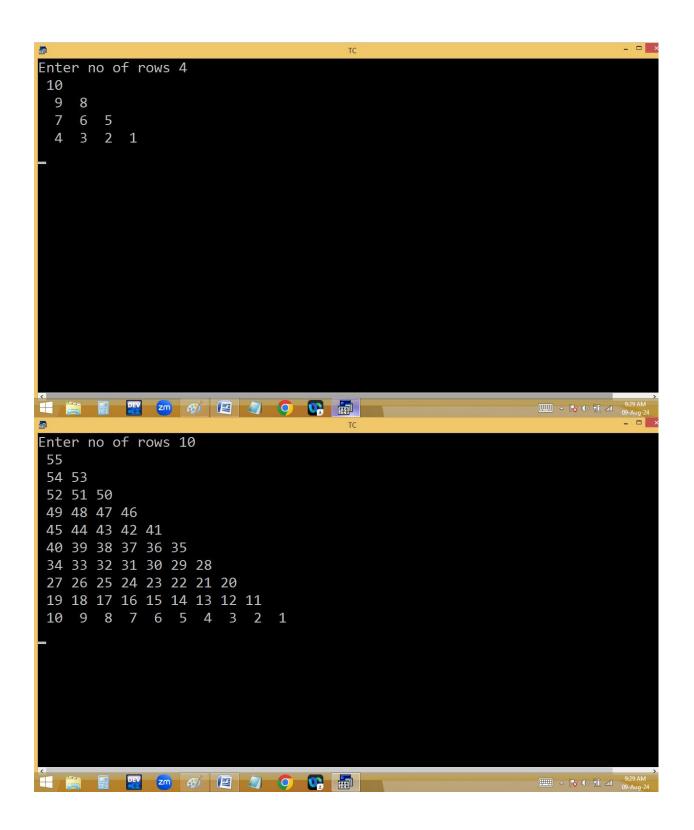
```
_ 🗆 ×
File Edit Run Compile Project Options Debug Break/watch
    Line 12 Col 17 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
int n, r,c,a=1;
clrscr();
for(r=1;r<=n;r++)
for(c=1;c<=r;c++)
printf("%3d",a++);
printf("\n");
getch();
9.20 og 40 og 41 og 41
Enter no of rows 3
   3
 4 5 6
                                          9:26 AM
```



```
_ 🗆 ×
File Edit Run Compile Project Options Debug Break/watch
    Line 12 Col 17 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
int n, r,c,a;
clrscr();
printf("Enter no of rows "); scanf("%d",&n); a=n*(n+1)/2;
for(r=1;r<=n;r++)
for(c=1;c<=r;c++)
printf("%3d",a--);
printf("\n");
getch();
9:29 A
Enter no of rows 3
 5
   4
 3 2 1
  9:29 AM

109-Aug-24
```



```
O\++
                             1<=n
                                        C <: \
a=4*5/2=10
                                         101
a=3*4/2=6
                                         1 to 2
a = n*(n+1)/2;
                                         1 403
                              3
for(r=1;r<=3;r++)
{
for(c=1;c<=<u>r</u>;c++)p(<u>a--</u>);
p("\n");
                                         10
}
                                              8
                                          7 6
                                                  5
                                          4321
```

```
File Edit Run Compile Project Options Debug Break/watch
             Col 16 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
int n, r,c,a=1,b;
clrscr();
for(r=1;r<=n;r++)
{ b=a+r-1;
for(c=1;c<=r;c++,a++)
if(r%2==0)printf("%3d",b--); else printf("%3d",a);
printf("\n");
getch();
  ——— △ 😼 (I) 📶 and 9:40 Ah
```

```
_ 🗆 ×
Enter no of rows 10
  3
     2
 10 9 8 7
 11 12 13 14 15
 21 20 19 18 17 16
 22 23 24 25 26 27 28
 36 35 34 33 32 31 30 29
 37 38 39 40 41 42 43 44 45
 55 54 53 52 51 50 49 48 47 46
_____ ^ (1) 1 ail 9:40 AM 09-Aug-24
a=1;
for(r=1; r<=4;r++)
{
                                                   1
                                                   32 -
b=a+r-1;
                                        5
                                           6
                                                   456
for(c=1;c<=r;c++,a++)
                                                   10987 -4
                          7+4-1 10
if(r%2==0) p(b--);
else p(a);
}
p("\n");
```

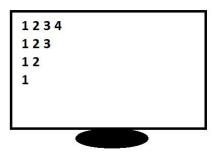
```
_ 🗆 ×
File Edit Run Compile Project Options Debug Break/watch
    Line 10 Col 17 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
int n, r,c;
clrscr();
printf("Enter no of rows "); scanf("%d",&n);
for(r=n;r>=1;r--)
for(c=1;c<=r;c++)
printf("%3d",c);
printf("\n");
getch();
9:43 AM 09-Aug-24
Enter no of rows 10
    2
        4
             6 7 8 9 10
   2
      3
        4 5
             6 7
                  8
                    9
    2
        4 5
 1
      3
             6 7
                  8
 1
    2
        4 5
    2
      3
        4
          5
 1
             6
 1
    2
      3
        4
           5
 1
    2
      3
        4
    2
 1
      3
 1
    2
 1
                                                9:44 AM
```

```
\frac{\gamma}{\gamma} \rightarrow \frac{\chi_{--}}{\gamma} \qquad \frac{c=1 + b + 1}{\gamma - 2 + 3 + 4}

for(r=n;r>=1;r--)
{
for(c=1;c<=r;c++)
}

\frac{\gamma}{\gamma} \rightarrow \frac{\chi_{--}}{\gamma} \qquad \frac{c=1 + b + 1}{\gamma - 2 + 3 + 4}

\frac{\gamma}{\gamma} \rightarrow \frac{\chi_{--}}{\gamma} \qquad \frac{\gamma}{\gamma} \rightarrow \frac{\gamma}{\gamma} \rightarrow
```



```
_ 🗆 ×
File Edit Run Compile Project Options Debug Break/watch
   Line 11 Col 1 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
int n, r,c;
clrscr();
for(r=n;r>=1;r--)
printf("\n");
getch();
9:44 A
Enter no of rows 5
 1 2 3 4 5
 1 2 3
      4
  2
 1
    3
 1
  2
 1
 9:45 AM
09-Aug-24
```

```
_ 🗆 ×
File Edit Run Compile Project Options Debug Break/watch
     Line 10 Col 19 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
int n, r,c;
clrscr();
printf("Enter no of rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(c=r;c<=n;c++) printf("%3d",c);</pre>
printf("\n");
getch();
△ 😼 (b) 🛗 📶 9:50 A
Enter no of rows 10
    2
      3
        4 5 6 7 8 9 10
   3
      4 5 6 7 8 9 10
   4
     5 6 7 8 9 10
 4
           8 9 10
      6
 5
   6
        8 9 10
 6
      8 9 10
 7
   8 9 10
 8 9 10
 9 10
10
  9:50 AM
09-Aug-24
```

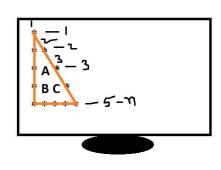
```
_ 🗆 ×
File Edit Run Compile Project Options Debug Break/watch
    Line 10 Col 13 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
int n, r,c; char ch='A';
clrscr();
printf("Enter no of rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(c=1;c<=r;c++)
printf("\n");
getch();
Enter no of rows 5
   A
   B C *
                                         9:57 AM
09-Aug-24
```

```
_ 🗆 ×
     Line 18
              Col 18 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
int n, r,c; char ch='A';
clrscr();
for(r=1;r<=n;r++)
for(c=1;c<=r;c++)
if(c==1||c==r||r==n)printf("%3c",'*');else printf("%3c",ch++);
if(ch>'Z')ch='A';
printf("\n");
getch();
9:58 A

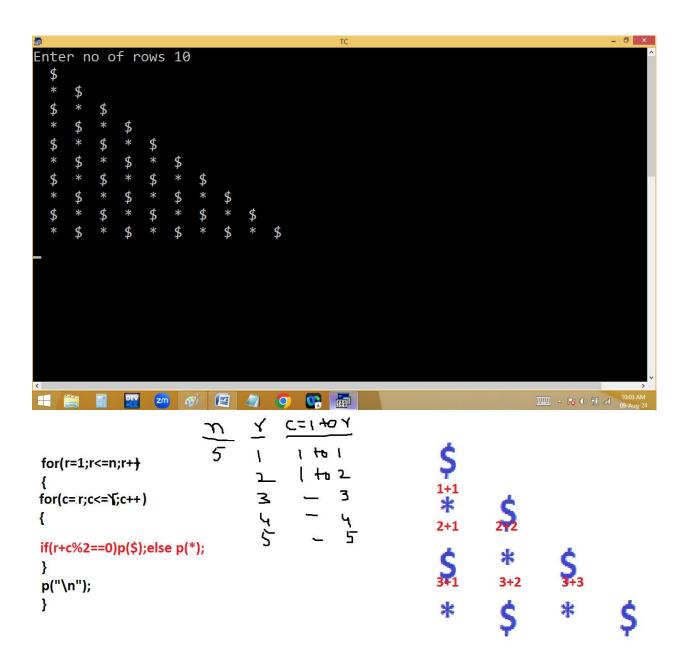
9:58 A

09-Aug
Enter no of rows 15
    A
    В
      C
    D
      E F
         I
    G
      H
            J
    K
         M N O *
    P
            S
      Q
         R
              T U
    V
         X
           Y
      W
              Z A B
         E
            F
    C
      D
              G H
                   I
                      J
                    Q
                      R
    K
         M
           N
              0 P
                        S
         V
              X
                 Y
                    Z
      U
            W
                      A
                         B C
    D
         F
                    J
                      K
      Ε
            G
              Н
                 I
                           M N
                    U
                      V
                         W
                           X
                                Z *
    0
      P
         Q
            R
              S
                 T
                              Y
                                                   120% → U → 9.59 AM 09-Aug-24
Page: 12 of 12 | Words: 0 | 🍑
```

```
for(r=1;r<=n;r+)
{
for(c=r;c<=Y;c++)
{
if( c==1 | | c==r | | r==n)p(*);
else p(ch++);
}
p("\n");
}
```



```
File Edit Run Compile Project Options Debug Break/watch
     Line 5
               Col 14 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
int n, r,c; _
clrscr();
printf("Enter no of rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(c=1;c<=r;c++)
if((r+c)%2==0)printf("%3c",'$');else printf("%3c",'*');
printf("\n");
getch();
          ____ △ 😼 🕩 📆 📶 10:03 AN
```

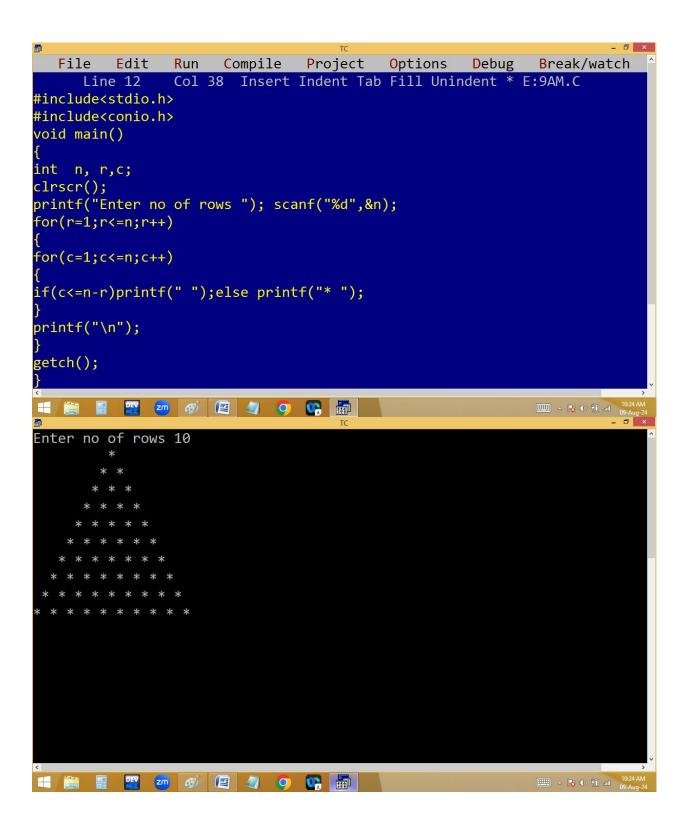


```
_ 🗇 🗙
  File Edit
               Run
                    Compile Project Options Debug Break/watch
               Col 34 Insert Indent Tab Fill Unindent * E:9AM.C
     Line 12
#include<stdio.h>
#include<conio.h>
void main()
int n, r,c;
clrscr();
printf("Enter no of rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(c=1;c<=n;c++)
if(r==1||r==n||r+c-1==n)printf("Z<u>"</u>);else printf(" ");
printf("\n");
getch();
△ (a) 10:12 A
09-Aug
Enter no of rows 10
ZZZZZZZZZZZ
       Z
      Z
     Z
    Z
   Z
  Z
 Z
Z
ZZZZZZZZZZZ
△ 🔯 (I)) 🖺 aill 10:12 AM
```

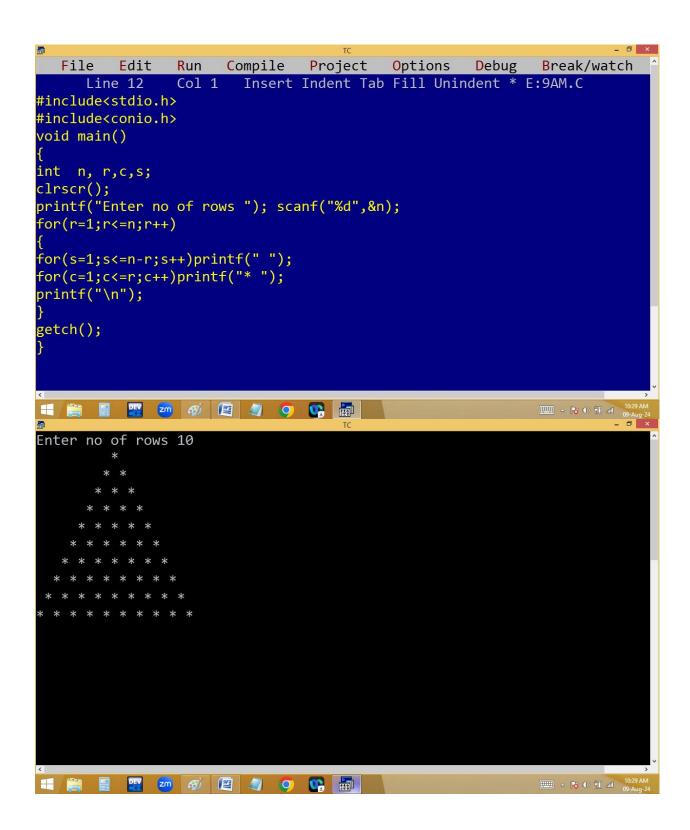
```
_ 🗇 🗙
  File Edit
              Run
                  Compile Project Options Debug Break/watch
             Col 41 Insert Indent Tab Fill Unindent * E:9AM.C
     Line 11
#include<stdio.h>
#include<conio.h>
void main()
int n, r,c;
clrscr();
printf("Enter no of rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(c=1;c<=n;c++)
if(c<=n-r)printf(" ");else printf("%d",c);
printf("\n");
getch();
                                                 Enter no of rows 5
   5
  45
 345
2345
12345
△ 🔯 (I) 🛅 ail 10:23 AM
```

```
for(r=1;r<=n;r+) \frac{\gamma}{5} - \frac{\gamma}{1} = \frac{\zeta}{4} \frac{\zeta}{5} \frac{\zeta}{5}
```

```
File Edit Run Compile Project Options Debug Break/watch
                Col 38 Insert Indent Tab Fill Unindent * E:9AM.C
     Line 12
#include<stdio.h>
#include<conio.h>
void main()
int n, r,c;
clrscr();
printf("Enter no of rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(c=1;c<=n;c++)
if(c<=n-r)printf(" ");else printf("*");</pre>
printf("\n");
getch();
         □□□□ △ 😼 (1) 📆 aid 10:23 A
```

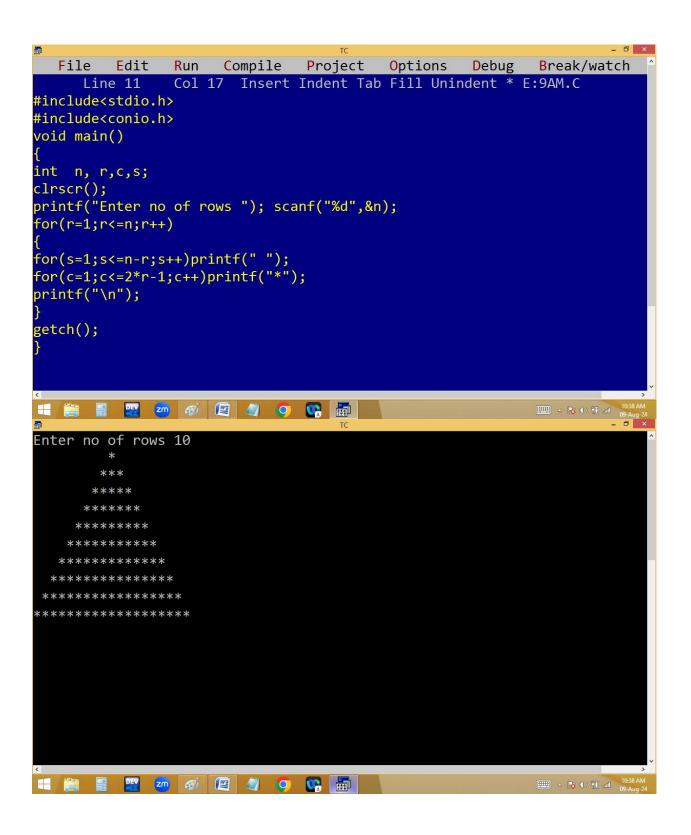


With 3 loops:



```
_ 0 ×
  File Edit
              Run
                   Compile Project Options Debug Break/watch
              Col 12 Insert Indent Tab Fill Unindent * E:9AM.C
     Line 12
#include<stdio.h>
#include<conio.h>
void main()
int n, r,c,s;
clrscr();
printf("Enter no of rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(s=1;s<=n-r;s++)printf(" ");
for(c=1;c<=r;c++)printf("**");
printf("\b \n");
getch();
                                                  Enter no of rows 10
      ***
 ******
       △ 🚱 (I) 📶 10:36 AN
```

Without using \b:



```
for(r=1;r<=n;r+) { \frac{x}{5} - \frac{x}{1} = \frac{5}{4} \frac{c = 1 + 5}{1 + 5 + 1 + 5} for(s=1;s<=n-r;s++)p(""); \frac{x}{5} - \frac{3}{2} = \frac{3}{4} \frac{1 + 5}{4} = \frac{3}{4} + \frac{3}{
```

2*3-1=5 star 2*4-1=7 star