```
_ 🗆 🔿
#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("\n");
getch();
Enter how many rows and columns 10 26
ABCDEFGHIJKLMNOPQRSTUVWXYZ
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
abcdefghijklmnopqrstuvwxyz
```

```
for( r=1; r<=4; r++)
{

for( c=1; c<=4; c++)
{

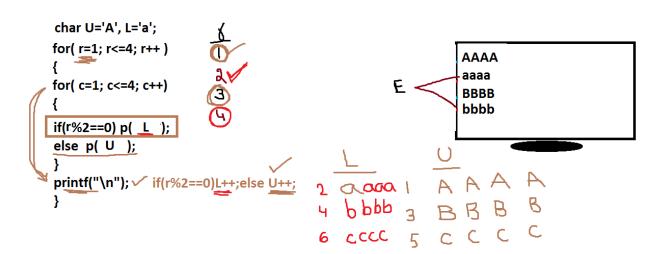
if(r%2==0) p(96+c);
else p(64+c);
}
printf("\n");
}
```



```
_ 🗇 ×
#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++)
if(c%2==0)printf("%2c",96+c);else printf("%2c",64+c);
printf("\n");
getch();
Enter how many rows and columns 10 26
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
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
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
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
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
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
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
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
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
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
△ 🙀 🗓 (b) ...il 02:26 l
```

```
_ 🗇 ×
   Line 17
          Col 52 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++)
if(r%2==0)printf("%2c",96+r);else printf("%2c",64+r);
printf("\n");
getch();
Enter how many rows and columns 10 20
d d d d d d d d d d d d d d d d d
EEEEEEEEEEEEEEEEE
ffffffffffffffffffff
h h h h h h h h h h h h h h h h h h
jjjjjjjjjjjjjjjjjjj
```

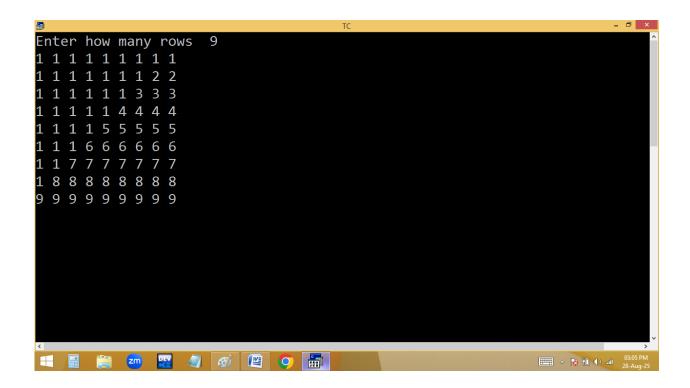
```
_ 🗇 ×
#include<stdio.h>
#include<conio.h>
void main()
int nr,nc,r,c; char U='A', L='a';
clrscr();
printf("Enter how many rows and columns "); scanf("%d%d",&nr,&nc);
for(r=1;r<=nr;r++)
for(c=1;c<=nc;c++)
if(r%2==0)printf("%2c",L);else printf("%2c",U);
getch();
Enter how many rows and columns 10 26
cccccccccccccccccc
EEEEEEEEEEEEEEEEEEEEEE
□□□□ △ 🔯 🗓 (b) ...il 02:4
```



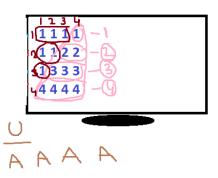
```
_ 🗇 ×
#include<stdio.h>
#include<conio.h>
void main()
int nr,nc,r,c;
clrscr();
printf("Enter how many rows and columns "); scanf("%d%d",&nr,&nc);
for(r=1;r<=nr;r++)
{char U='A', L='a';
for(c=1;c<=nc;c++)
printf("\n");
getch();
Enter how many rows and columns 10 52
AaBbCcDdEeFfGgHhIiJjKkLlMmNnOoPpQqRrSsTtUuVvWwXxYyZz
△ 🔯 📆 🕩 ail 02:51 F
```

```
_ 🗇 ×
#include<stdio.h>
#include<conio.h>
void main()
int nr,nc,r,c; char ch='A';
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==1||c==1||r==nr||c==nc)printf("* ");else printf("%c ",ch++);
if(ch>'Z')ch='A';
printf("\n");
getch();
Enter how many rows and columns 10 20
* 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 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 A B *
 CDEFGHIJKLMNOPORST*
* U V W X Y Z A B C D E F G H I J K L *
 MNOPQRSTUVWXYZABCD*
* E F G H I J K L M N O P Q R S T U V *
 WXYZABCDEFGHIJKLMN*
△ 🗽 🕆 🕩 🕪 📶 02:58 P
```

```
- 🗇 ×
#include<stdio.h>
#include<conio.h>
void main()
int nr,r,c;
clrscr();
printf("Enter how many rows "); scanf("%d",&nr);
for(r=1;r<=nr;r++)
for(c=1;c<=nr;c++)
if(c<=nr-r)printf("1 ");else printf("%d ",r);</pre>
printf("\n");
getch();
△ 🔯 🗓 (b) and 03:0
Enter how many rows 4
1 1 1 1
1 1 2 2
1 3 3 3
4 4 4 4
```



```
_ 🗇 ×
#include<stdio.h>
#include<conio.h>
void main()
int nr,r,c;
clrscr();
printf("Enter how many rows "); scanf("%d",&nr);
for(r=1;r<=nr;r++)
for(c=1;c<=nr;c++)
if(c<=nr-r)printf("%3d",1);else printf("%3d",r);</pre>
printf("\n");
getch();
💶 📳 👸 zm 🕎 🖉 🥙 ए 🕞
                                                  △ 🔯 📆 (b) and 03
Enter how many rows
                 15
    1
         1
           1
              1
                1
                   1
                     1
                        1
                          1
                                  1 1
                                  2 2
    1
           1
              1
                1
                   1
                     1
                        1
                          1
                             1
                               1
    1
      1
         1
           1
              1
                1
                   1
                     1
                        1
                          1
                             1
                               3
                                  3
                                    3
              1
                     1
                        1
                          1
                             4
                               4
                                 4
                                    4
           1
                1
                   1
    1
      1
         1
           1
              1
                   1
                     1
                        1
                          5
                             5
                               5
                                  5
                                    5
                1
                        6
                          6
                             6
                               6
                                  6
                                    6
    1
      1
         1
           1
              1
                1
                   1
                     1
    1
      1
           1
                   1
                     7
                        7
                             7
                                  7
         1
              1
                1
    1
      1
         1
           1
              1
                   8
                     8
                        8
                          8
                             8
                               8
                                  8
                                    8
    1
      1
         1
           1
              1
                9
                   9
                     9
                          9
                             9
                                    9
                        9
                               9
                                  9
    1
           1 10 10 10 10 10 10 10 10 10 10
         1 11 11 11 11 11 11 11 11 11 11 11
      1 12 12 12 12 12 12 12 12 12 12 12 12
    28-Aug-
```



```
_ 🗇 🗙
#include<stdio.h>
#include<conio.h>
void main()
int nr,r,c;
clrscr();
printf("Enter how many rows "); scanf("%d",&nr);
for(r=1;r<=nr;r++)
for(c=1;c<=nr;c++)
if(r==c)printf("1 ");else if(r>c)printf("2 ");else printf("0 ");
printf("\n");
getch();
Enter how many rows
1000000000
2100000000
2210000000
222100000
222210000
2 2 2 2 2 1 0 0 0
2 2 2 2 2 2 1 0 0
2 2 2 2 2 2 2 1 0
2 2 2 2 2 2 2 2 1
```

```
for( r=1; r<=4; r++)

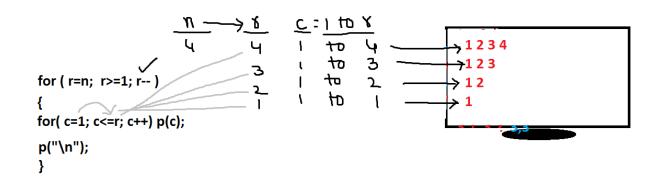
{
for( c=1; c<=4; c++)

{
    if(r==c)p(1);else if(r>c)p(2);
    else p(0);
    }
    printf("\n"); \checkmark
```

```
1 0 0
1,1 1,2 1,3
2 1 0
2,1 2,2 2,3
2 2 1
3,1 3,2 3,3
```

```
_ 🗇 🗙
#include<stdio.h>
#include<conio.h>
void main()
int nr,r,c; clrscr();
printf("Enter how many rows "); scanf("%d",&nr);
for(r=1;r<=nr;r++)
for(c=1;c<=nr;c++)
if(r==c){textcolor(LIGHTRED);cprintf("1 ");}
else if(r>c){textcolor(LIGHTGREEN);cprintf("2 ");}
else {textcolor(YELLOW);cprintf("0 ");}
printf("\n");
getch();
□□□□ △ 🍞 📆 🌗 and 03:
Enter how many rows
100000000
210000000
2 2 1 0 0 0 0 0 0
2 2 2 1 0 0 0 0 0
2 2 2 2 1 0 0 0 0
2 2 2 2 2 1 0 0 0
2 2 2 2 2 2 1 0 0
2 2 2 2 2 2 2 1 0
□□□□ △ 🔯 🛍 🕪 📶 03:15 PI
```

```
- 🗇 ×
                     Insert Indent Tab Fill Unindent * E:2PM.C
     Line 17 Col 1
#include<stdio.h>
#include<conio.h>
void main()
int n,r,c; clrscr();
printf("Enter how many rows "); scanf("%d",&n);
for(r=n;r>=1;r--)
for(c=1;c<=r;c++)
printf("%3d",c);
printf("\n");
getch();
△ 🔯 🗓 🌗 and 03:
Enter how many rows
                10
           5 6
    2
      3
                7 8
                     9 10
         4
    2
      3
         4
           5
              6
                   8
                     9
    2
      3
         4
           5
              6
                   8
           5
    2
      3
              6
                7
         4
    2
           5
      3
         4
              6
    2
      3
           5
         4
    2
 1
      3
         4
    2
 1
      3
    2
△ 🔭 👚 🕪 📶 03:23 PM
```

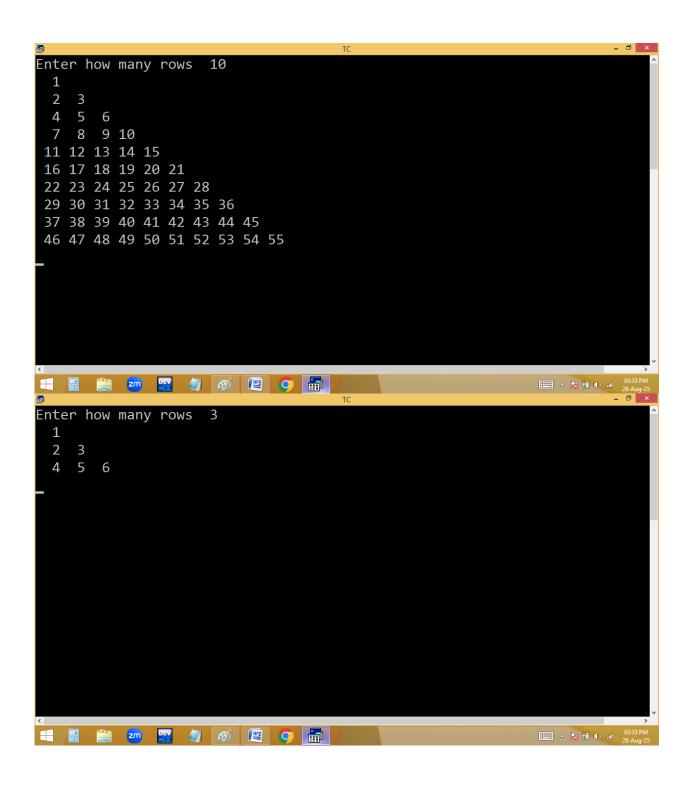


```
Compile Project Options Debug Break/watch
 File Edit Run
             Col 10 Insert Indent Tab Fill Unindent * E:2PM.C
     Line 11
#include<stdio.h>
#include<conio.h>
void main()
int n,r,c; clrscr();
printf("Enter how many rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(c=1;c<=r;c++)
printf("%3d",c);
printf("\n");
getch();
□□□□ △ 🍞 📆 🌗 and 03:
Enter how many rows 10
   2
   2
      3
    2
      3
        4
    2
      3 4 5
    2
      3
        4 5 6
    2
      3
        4
          5
    2
          5
      3
        4
             6 7 8
    2
      3
         4
           5
                  8 9
           5
         4
             6 7 8 9 10
28-Aug-
```

```
File Edit Run Compile Project Options Debug Break/watch
             Col 11 Insert Indent Tab Fill Unindent * E:2PM.C
     Line 15
#include<stdio.h>
#include<conio.h>
void main()
int n,r,c; clrscr();
printf("Enter how many rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(c=1;c<=r;c++)
printf("* ");
printf("\n");
getch(); _
□□□ △ 🕞 🛍 (b) and 03
Enter how many rows 10
28-Aug
```

```
_ 🗇 🗙
                     Insert Indent Tab Fill Unindent * E:2PM.C
     Line 17 Col 9
#include<stdio.h>
#include<conio.h>
void main()
int n,r,c; clrscr();
printf("Enter how many rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(c=1;c<=r;c++)
if((r+c)%2==0)printf("$ ");else printf("* ");
printf("\n");
getch();
□□□ △ 🕞 🛍 (b) and 03
Enter how many rows 10
 $ * $ * $ * $ * $
△ 🔯 🕆 🕩 aid 03:30 PM
```

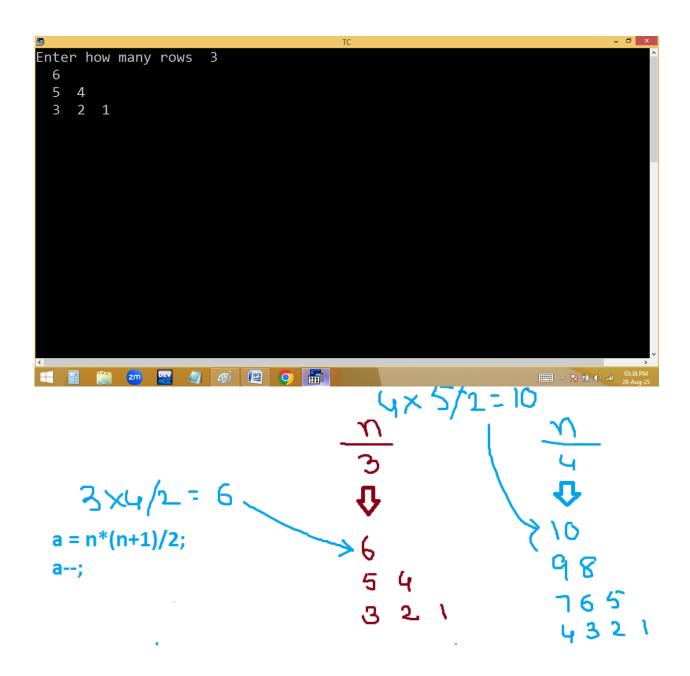
```
- 🗇 ×
    Line 17 Col 17 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int n,r,c,a=1; clrscr();
printf("Enter how many rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(c=1;c<=r;c++)
printf("%3d",a++);
printf("\n");
getch();
△ 🔯 🗓 🌗 and 03:
Enter how many rows 5
 2 3
 4 5 6
 7 8 9 10
11 12 13 14 15
```



## **FLOYD'S TRIANGLE**

```
1
23
456
78910
```

```
- 🗇 ×
#include<stdio.h>
#include<conio.h>
void main()
int n,r,c,a; clrscr();
printf("Enter how many 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();
□□□□ △ 🍞 📆 🌗 and 03:
Enter how many rows 10
55
54 53
52 51 50
49 48 47 46
45 44 43 42 41
40 39 38 37 36 35
34 33 32 31 30 29 28
27 26 25 24 23 22 21 20
19 18 17 16 15 14 13 12 11
10 9 8 7 6 5 4 3 2 1
```



```
- 🗇 ×
    Line 17 Col 41 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int n,r,c; clrscr();
printf("Enter how many 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();
□□□□ △ 🍞 📆 🌗 and 03:
Enter how many rows 10
```

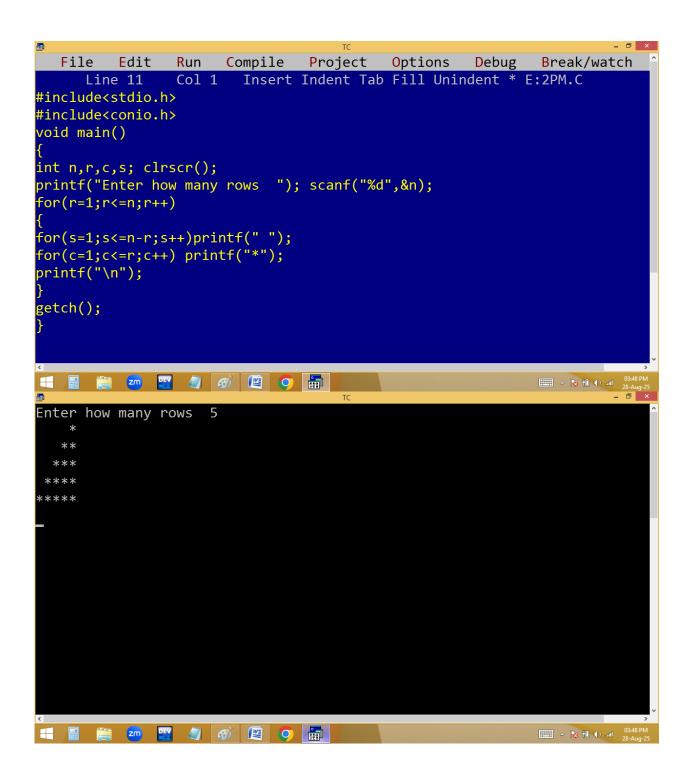
```
for( r=1; r<=4; r++)

{
for( c=1; c<=4; c++)

{
if(c<=n-r)p(" ");else p(*);
}
p("\n");
```

```
\frac{1}{1} \frac{1}{1} = \frac{1}{3} \frac{1}{1-1}
\frac{1}{1} \frac{1}{1} = \frac{3}{3} \frac{1-1}{1-2}
\frac{1}{1} \frac{1}{1} = \frac{3}{3} \frac{1-1}{1-3}
\frac{1}{1} \frac{1}{1} = \frac{3}{1} \frac{1}{1} = \frac{3}{1} \frac{1}{1} = \frac{3}{1} = \frac{
```





```
for(r=1; r<=4; r++)

{

for(s=1; s<=n-r; s++)p(""");

for(c=1; c<=r; c++)

{

p(*);

}

p("\n");
}
```

```
Run Compile Project Options Debug Break/watch
  File Edit
               Col 29 Insert Indent Tab Fill Unindent * E:2PM.C
     Line 10
#include<stdio.h>
#include<conio.h>
void main()
int n,r,c,s; clrscr();
printf("Enter how many 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("\n");
getch();
  □□□ △ 🕞 🛍 (b) and 03
Enter how many rows
28-Aug-
```



