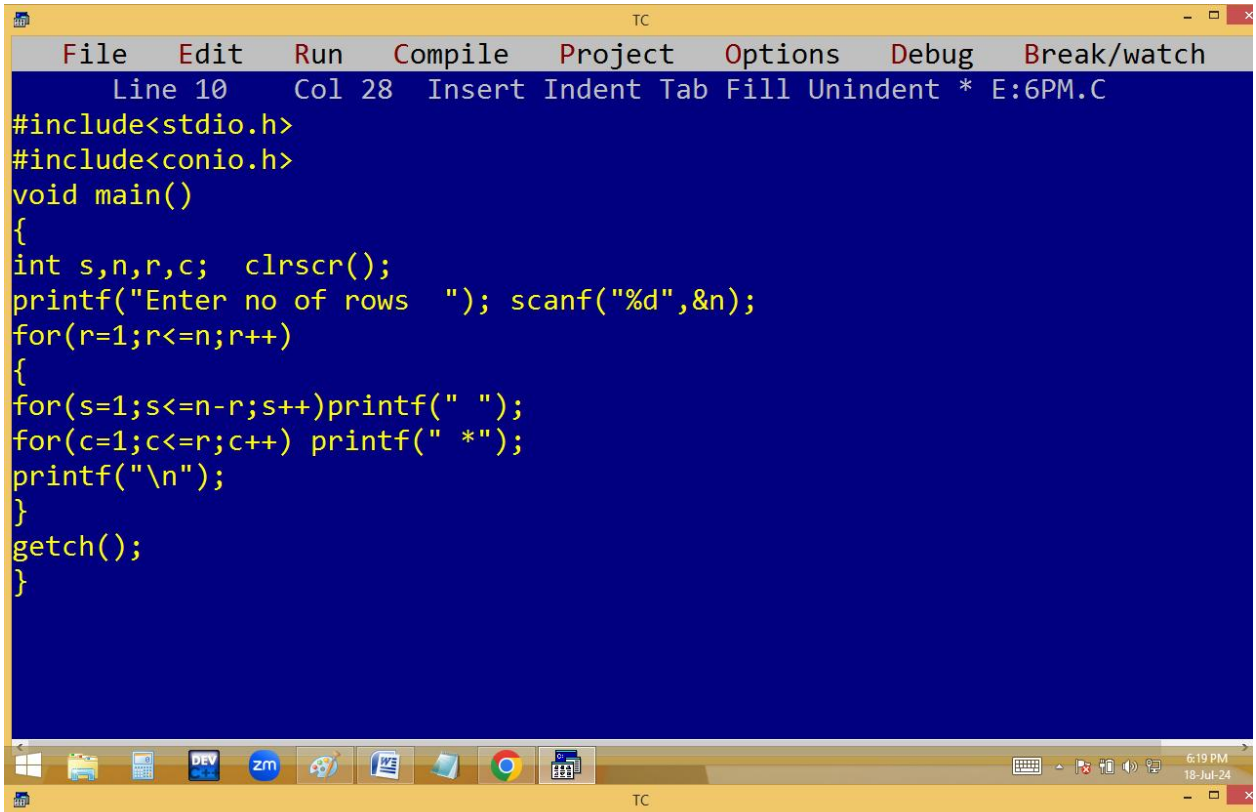
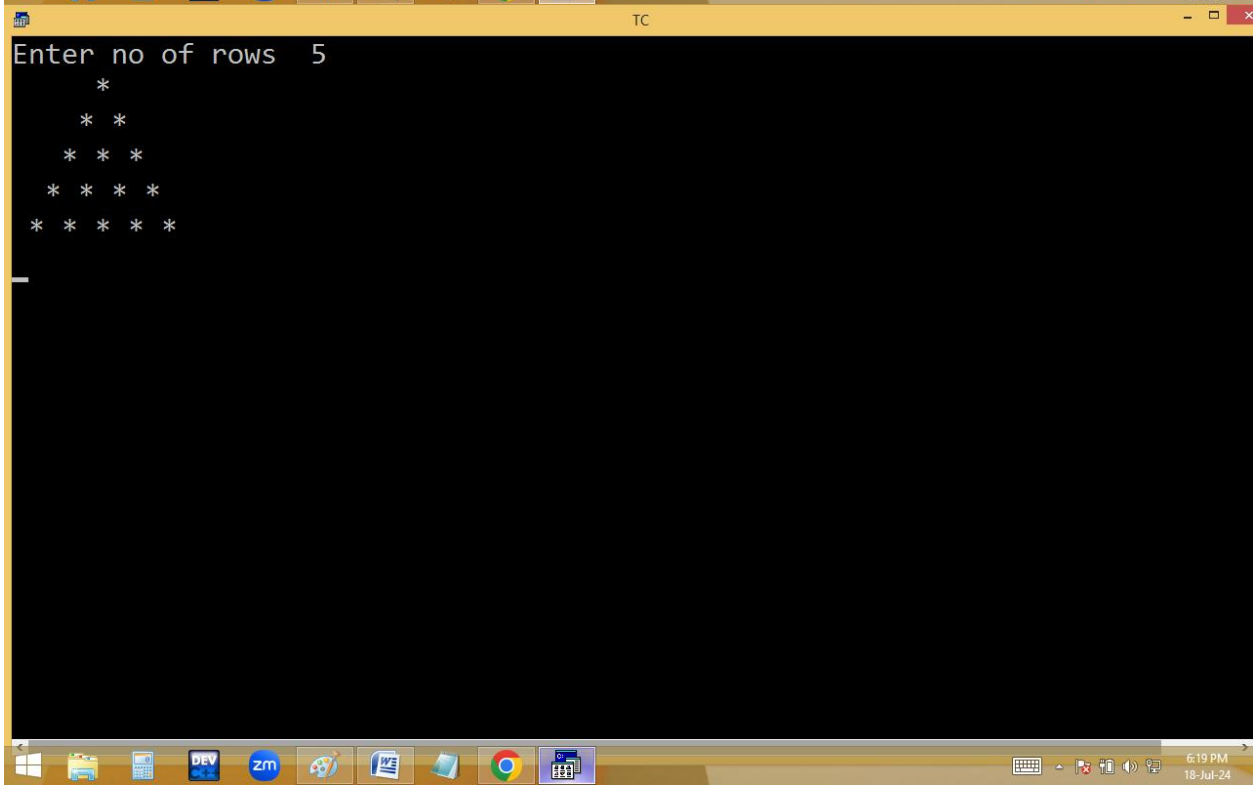
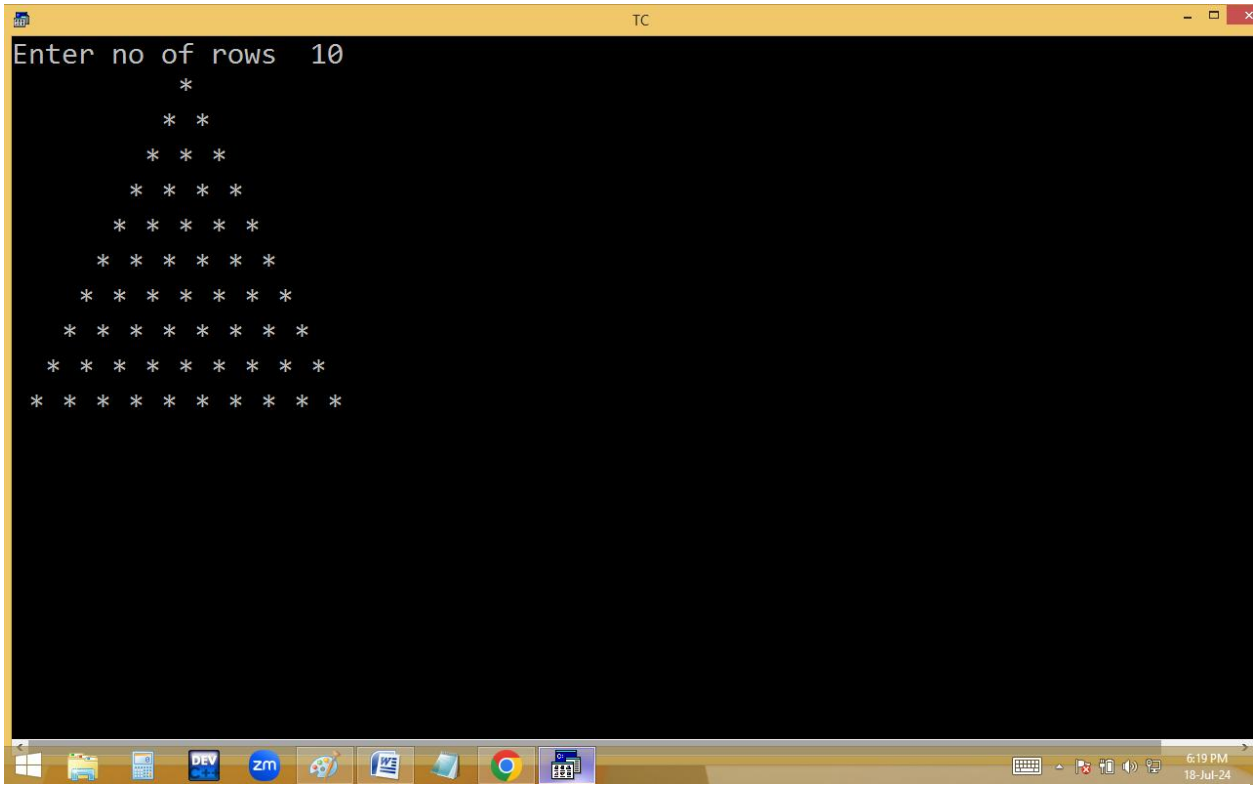
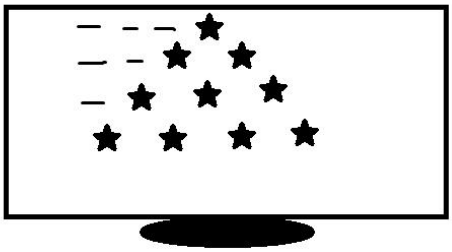
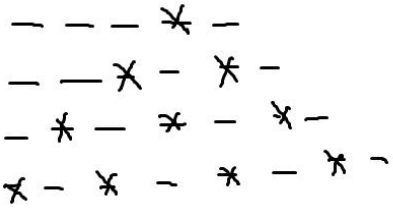

TC
File Edit Run Compile Project Options Debug Break/watch
Line 10 Col 28 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int s,n,r,c; clrscr();
printf("Enter no of rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
{
for(s=1;s<=n-r;s++)printf(" ");
for(c=1;c<=r;c++) printf(" *");
printf("\n");
}
getch();
}


TC
Enter no of rows 5
*
* *
* * *
* * * *
* * * * *

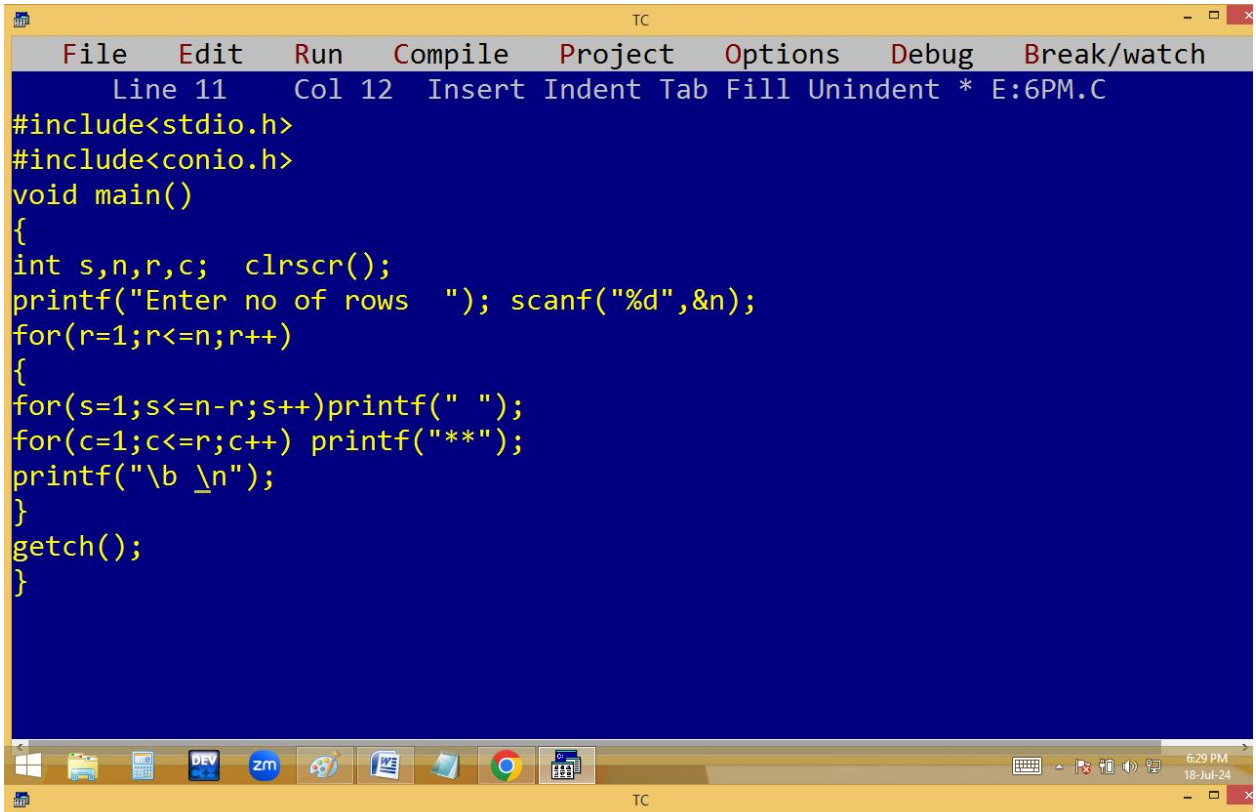


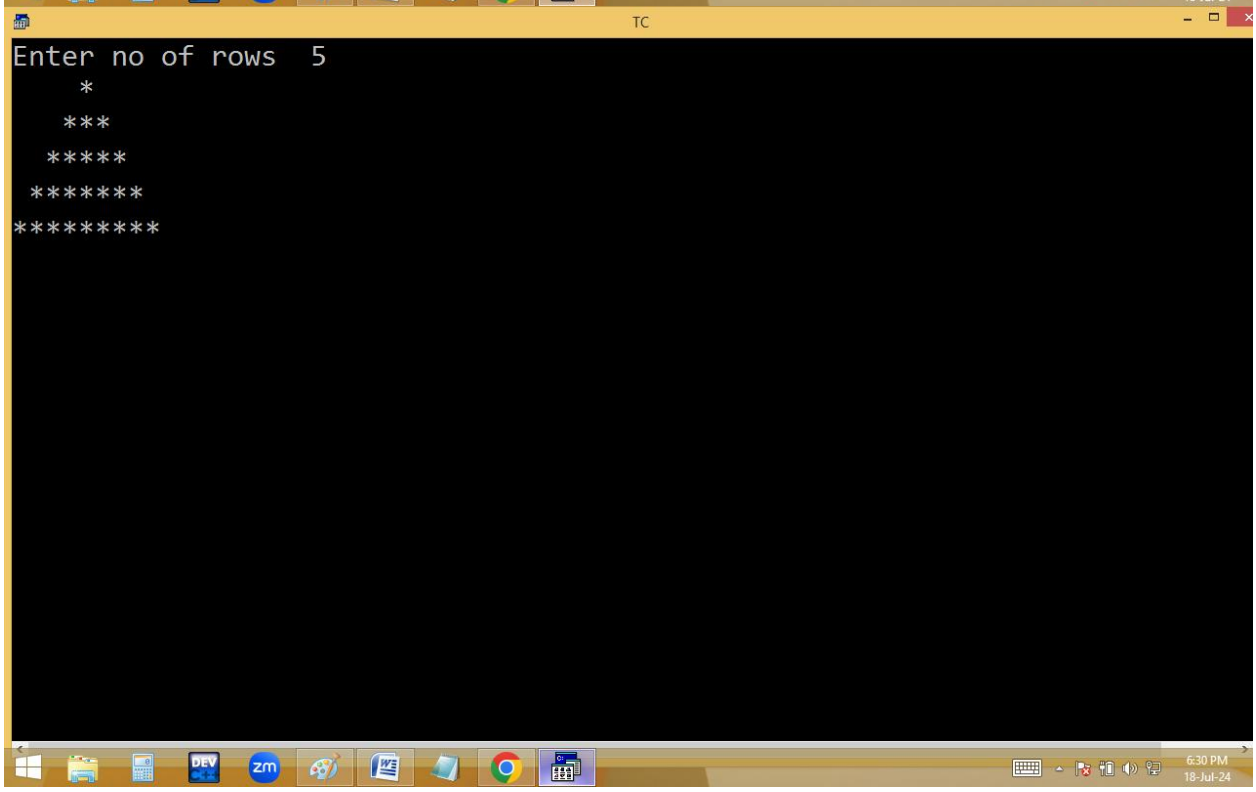

```
for( r=1; r<=4; r++ )
{
for( s=1; s<=n-r; s++ ) p( " " );

for(c=1;c<=r;c++)p(*   );
p("\n");
}
```



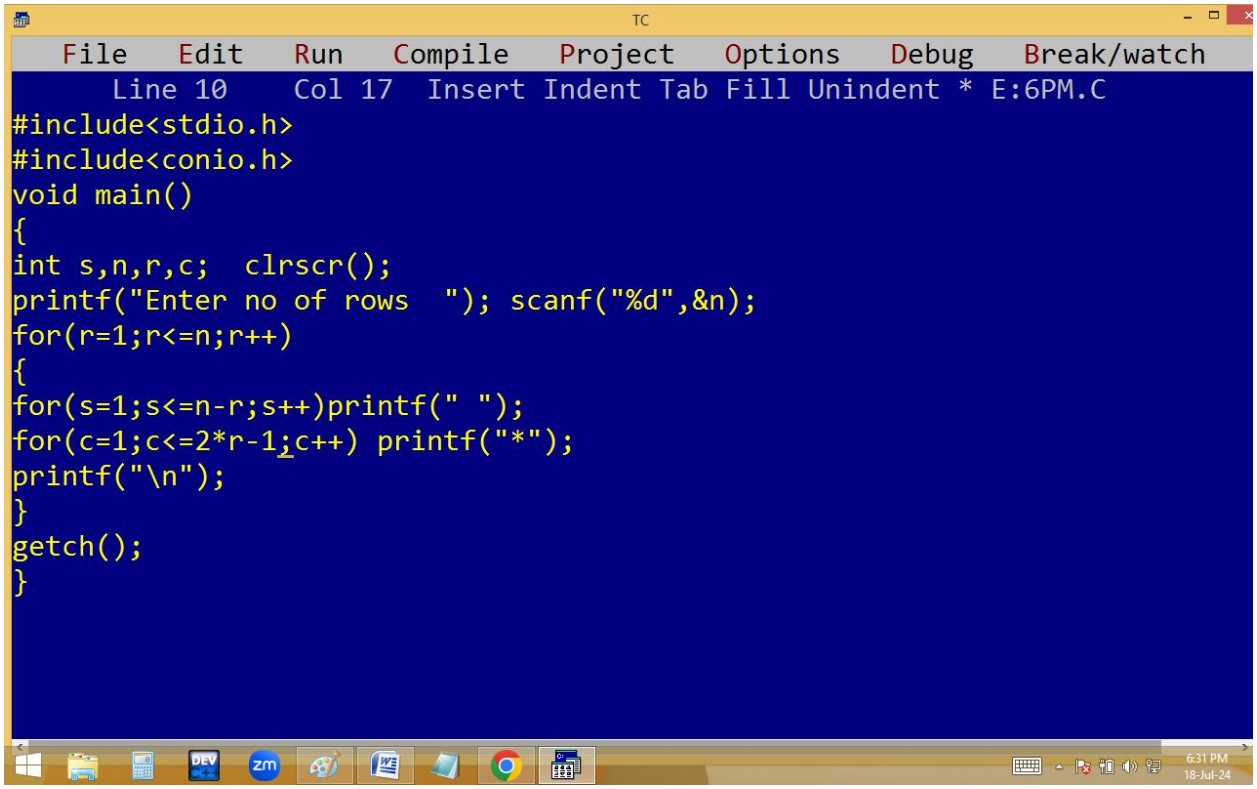


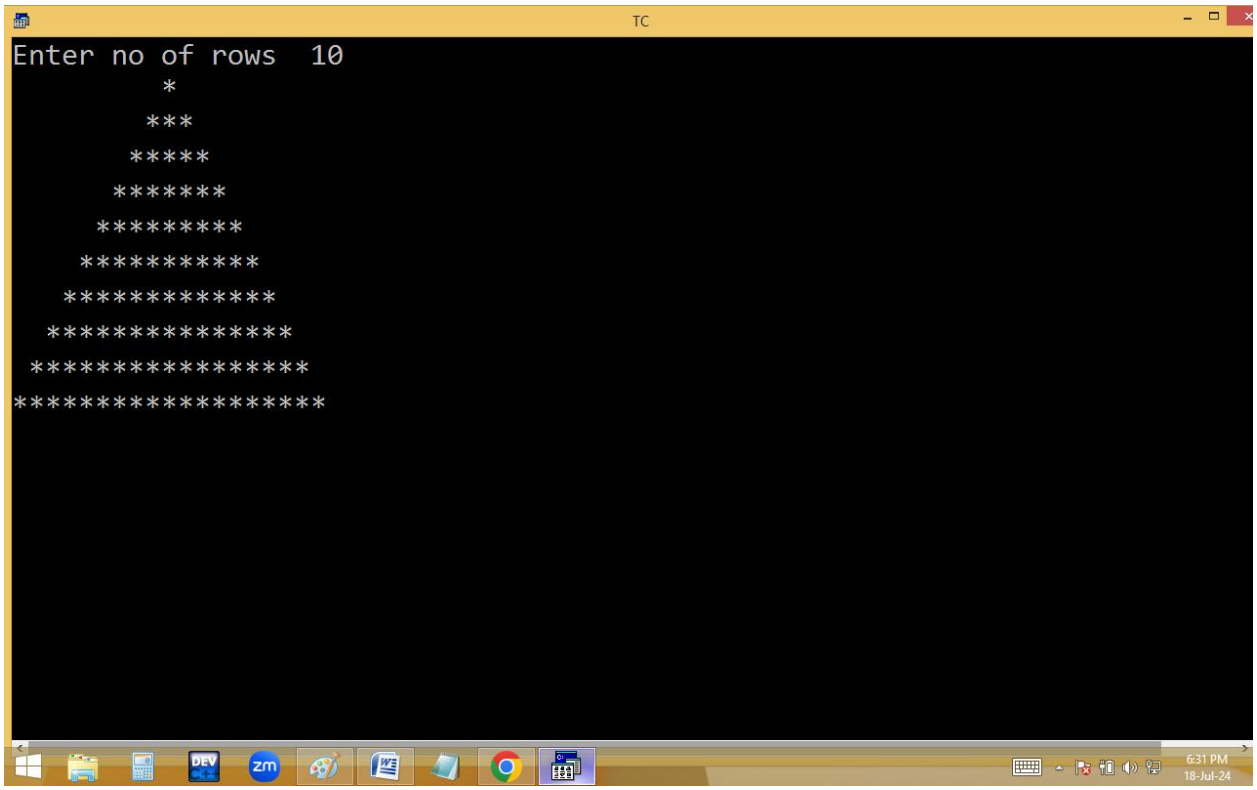
Using \b:





Without using \b:


TC
File Edit Run Compile Project Options Debug Break/watch
Line 10 Col 17 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int s,n,r,c; 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<=2*r-1;c++) printf("*");
printf("\n");
}
getch();
}


TC
Enter no of rows 10
*
***
*****
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****
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****

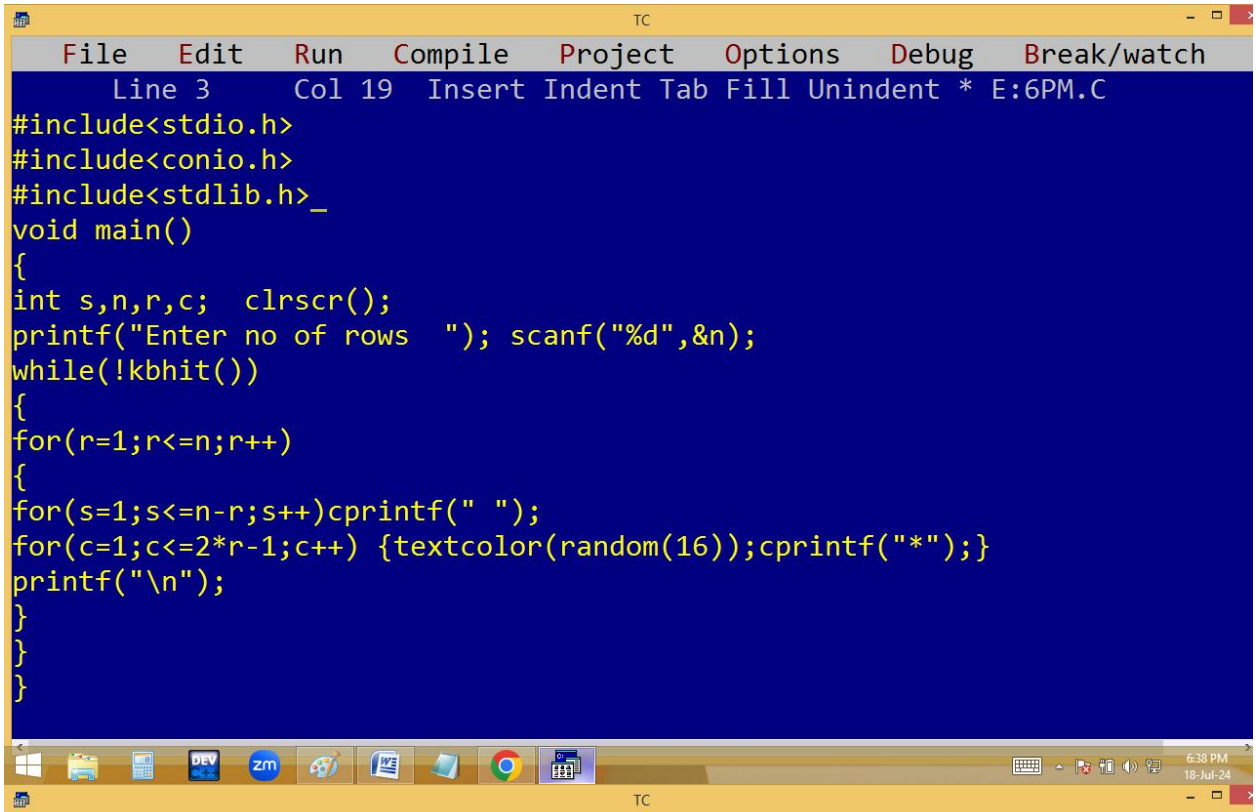
2*r-1

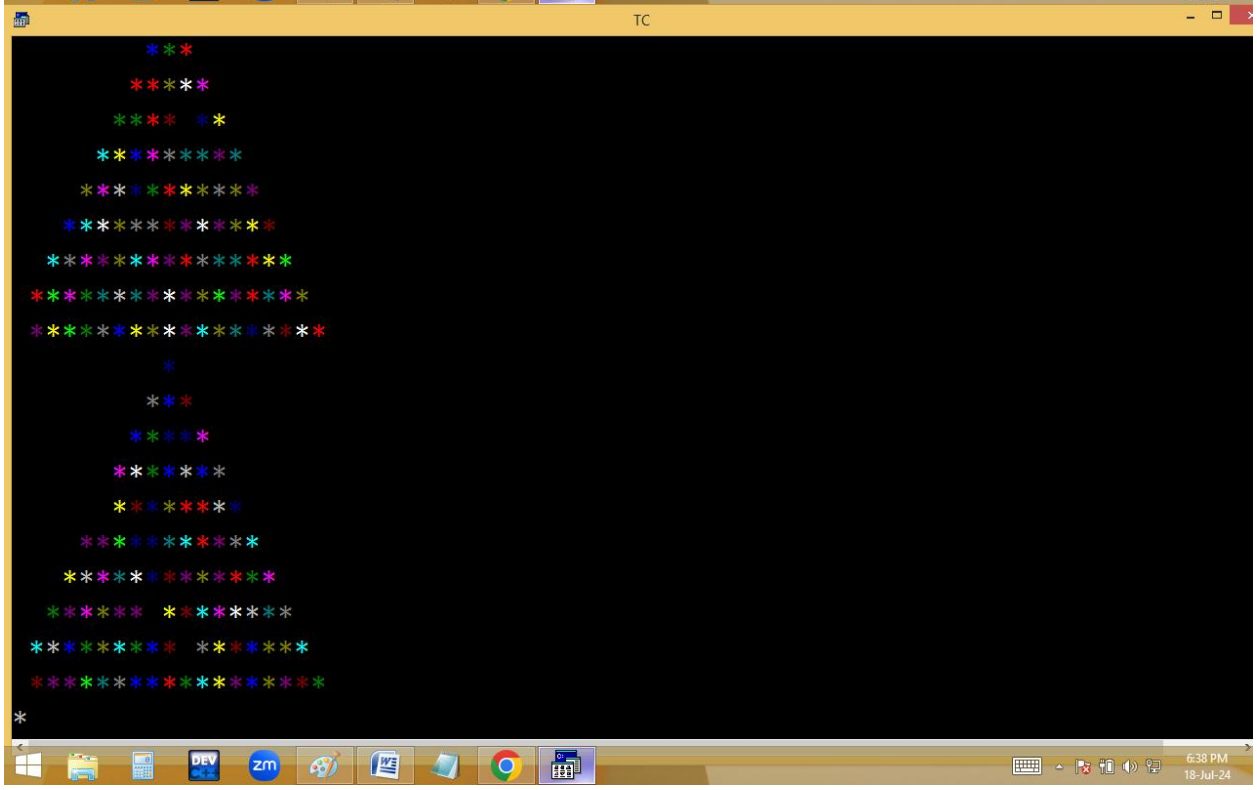
2*1-1=1

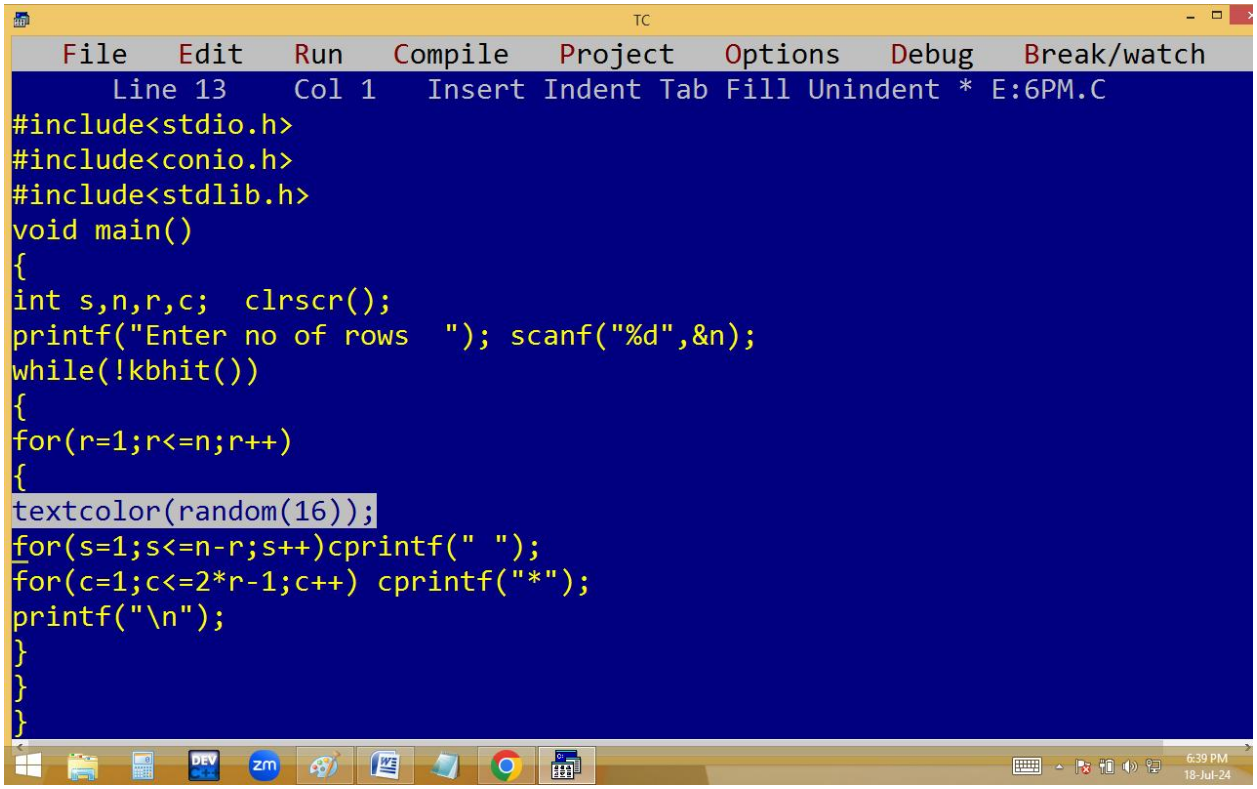
2*2-1=3

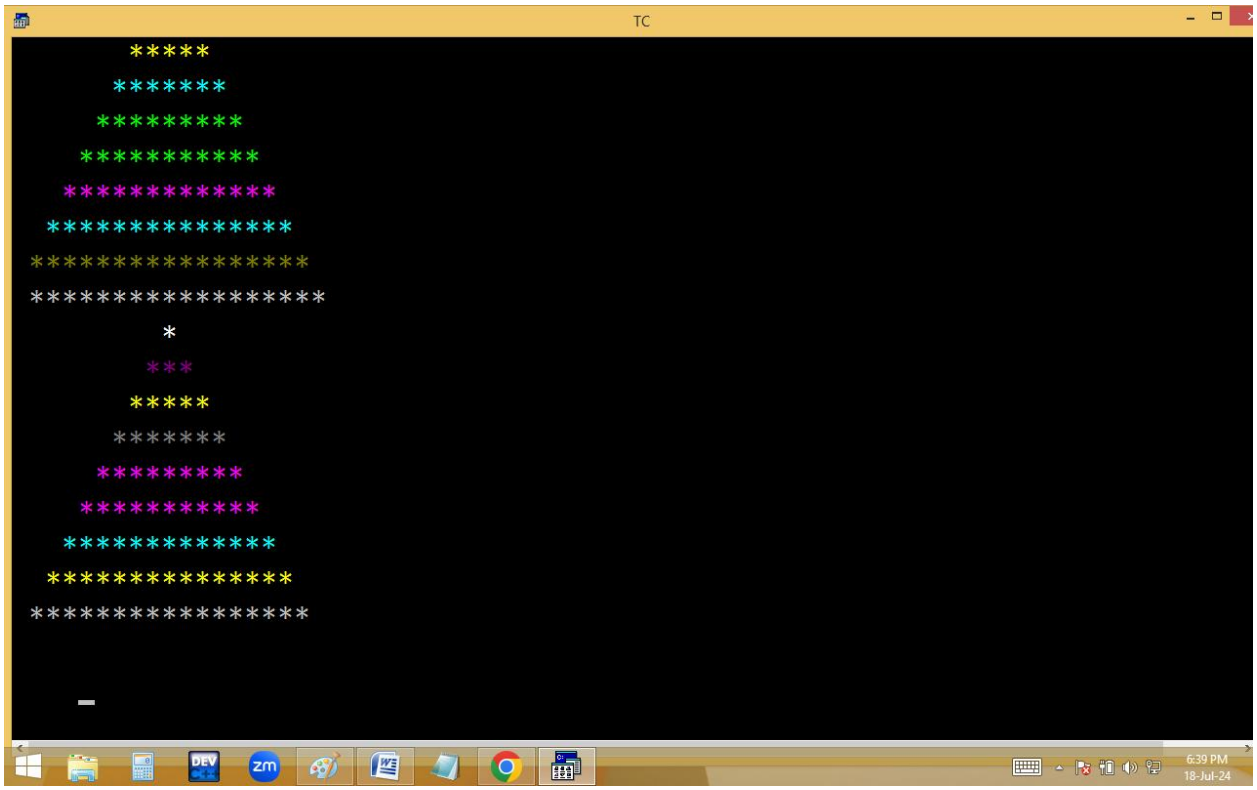
2*3-1=5

2*4-1=7


TC
File Edit Run Compile Project Options Debug Break/watch
Line 3 Col 19 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
{
int s,n,r,c; clrscr();
printf("Enter no of rows "); scanf("%d",&n);
while(!kbhit())
{
for(r=1;r<=n;r++)
{
for(s=1;s<=n-r;s++)cprintf(" ");
for(c=1;c<=2*r-1;c++) {textcolor(random(16));cprintf("*");}
printf("\n");
}
}
}


TC


TC
File Edit Run Compile Project Options Debug Break/watch
Line 13 Col 1 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
{
int s,n,r,c; clrscr();
printf("Enter no of rows "); scanf("%d",&n);
while(!kbhit())
{
for(r=1;r<=n;r++)
{
textcolor(random(16));
for(s=1;s<=n-r;s++)cprintf(" ");
for(c=1;c<=2*r-1;c++) cprintf("*");
printf("\n");
}
}
}


TC
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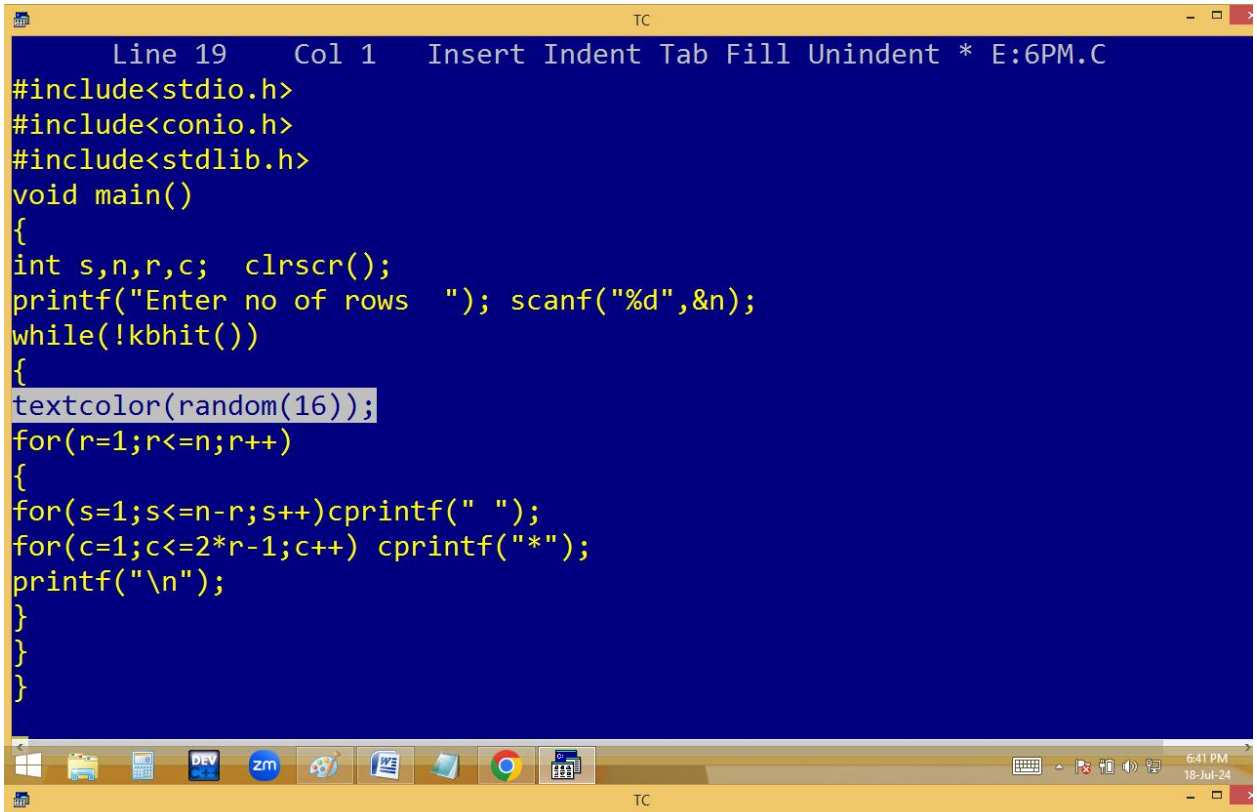
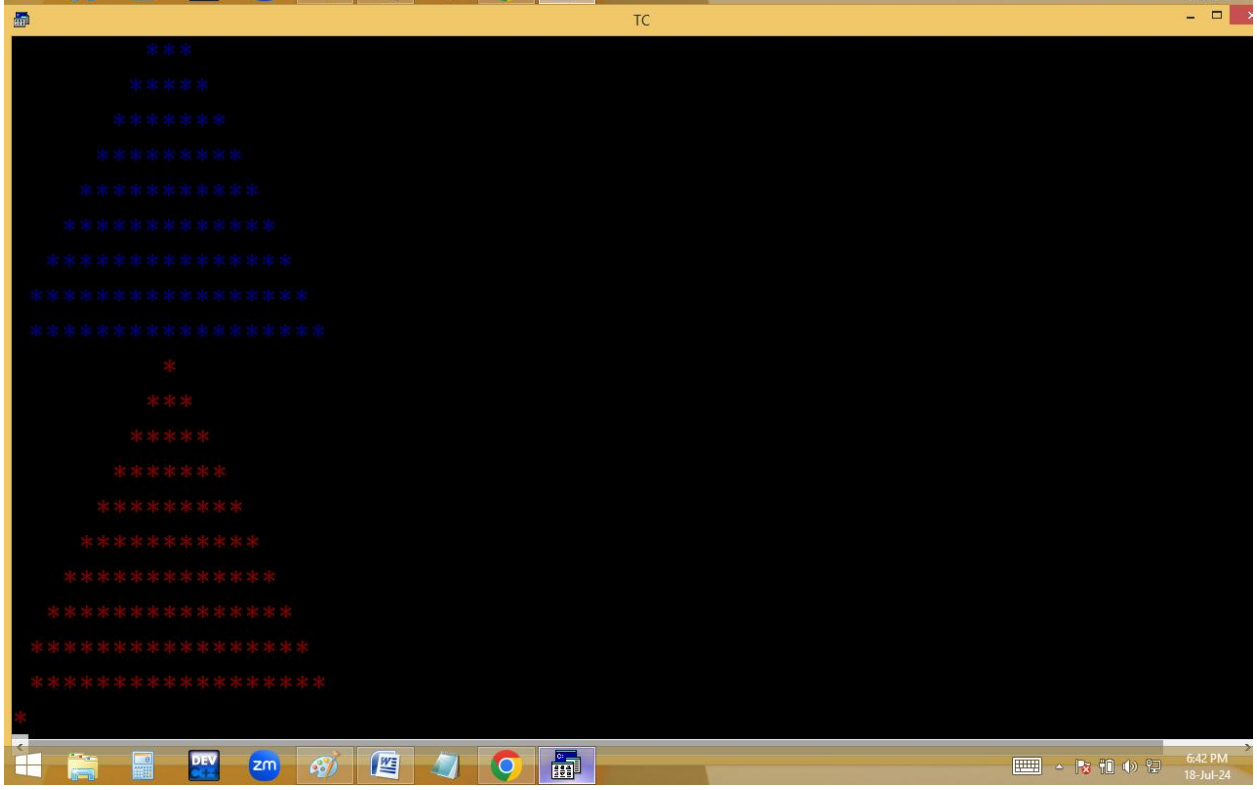

TC
Line 19 Col 1 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
{
int s,n,r,c; clrscr();
printf("Enter no of rows "); scanf("%d",&n);
while(!kbhit())
{
textcolor(random(16));
for(r=1;r<=n;r++)
{
for(s=1;s<=n-r;s++)cprintf(" ");
for(c=1;c<=2*r-1;c++) cprintf("*");
printf("\n");
}
}
}


TC
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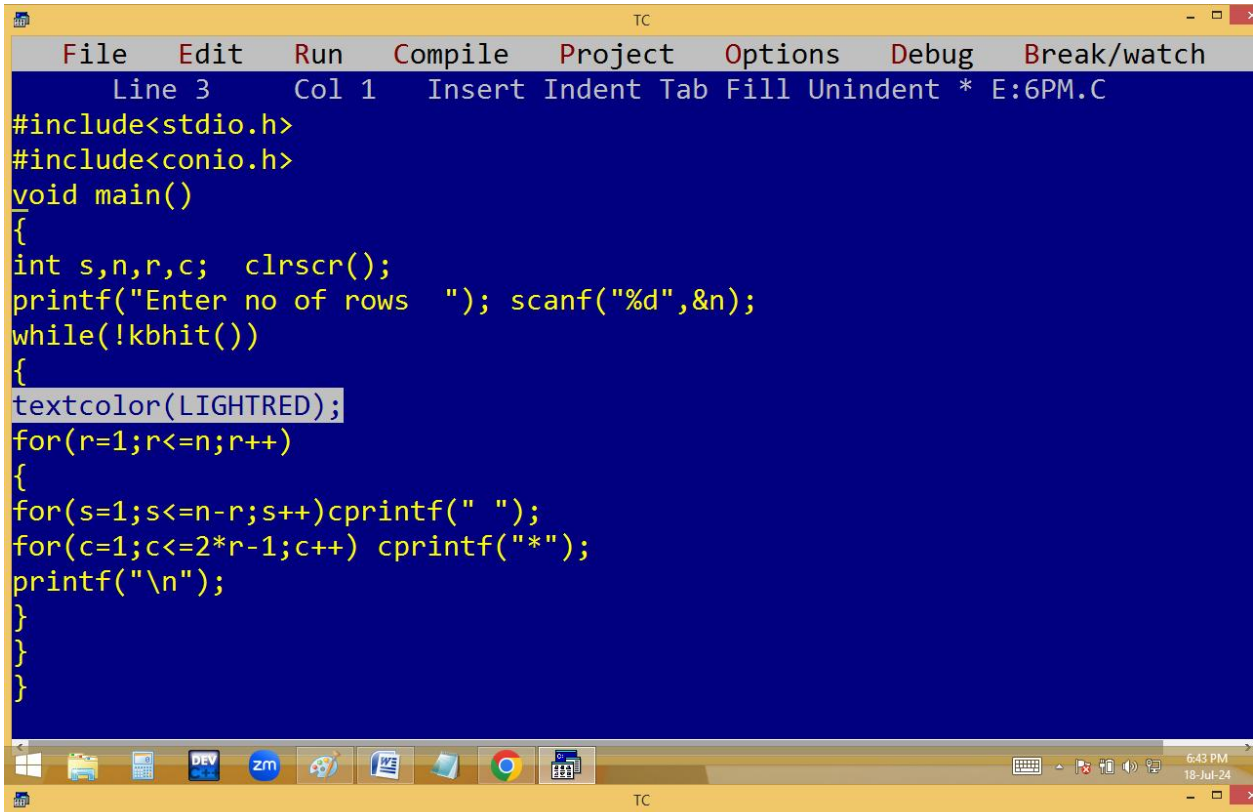
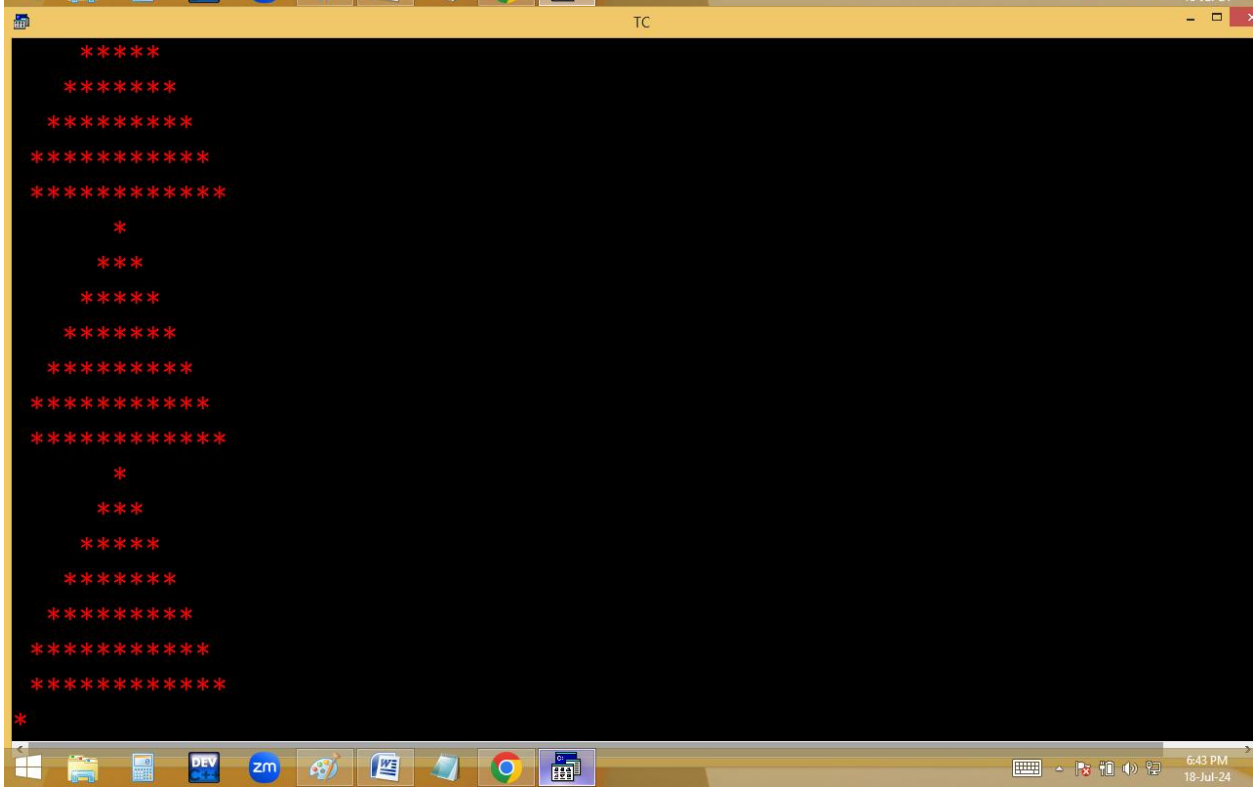

TC
File Edit Run Compile Project Options Debug Break/watch
Line 3 Col 1 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int s,n,r,c; clrscr();
printf("Enter no of rows "); scanf("%d",&n);
while(!kbhit())
{
textcolor(LIGHTRED);
for(r=1;r<=n;r++)
{
for(s=1;s<=n-r;s++)cprintf(" ");
for(c=1;c<=2*r-1;c++) cprintf("*");
printf("\n");
}
}
}


TC
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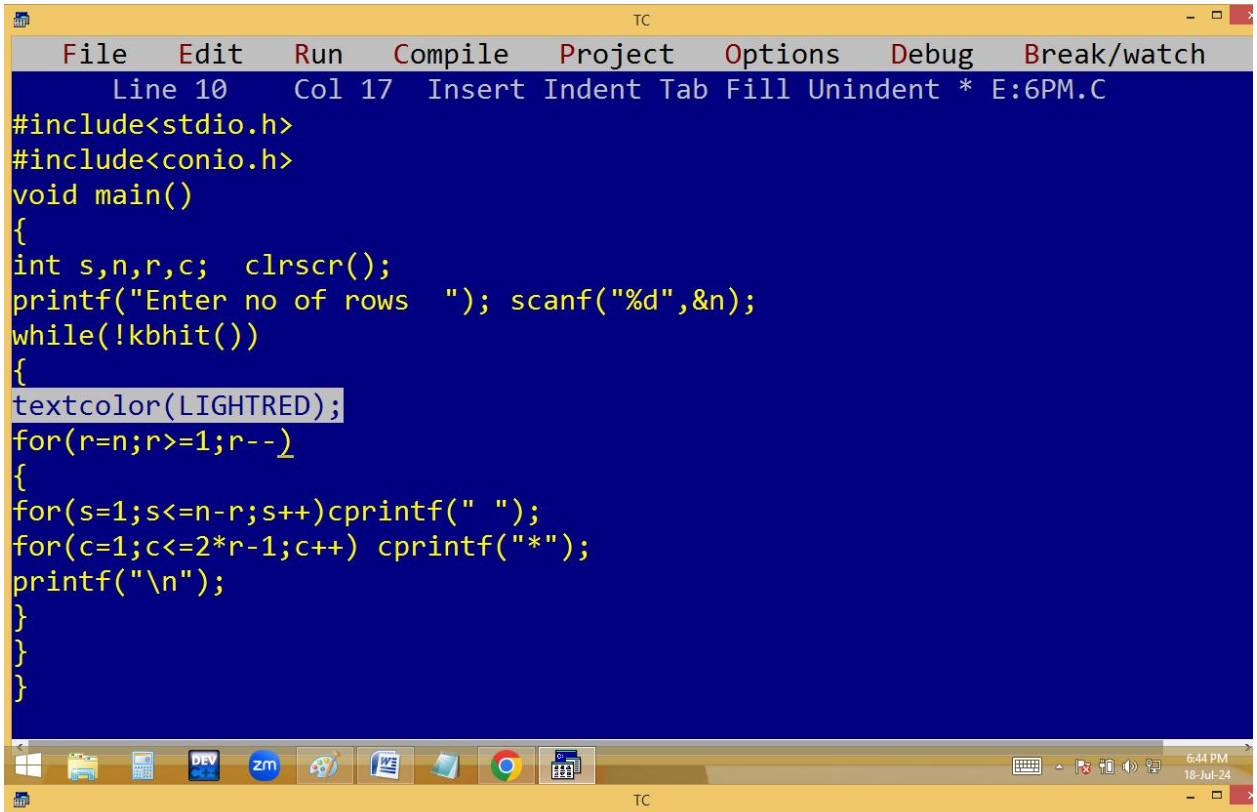
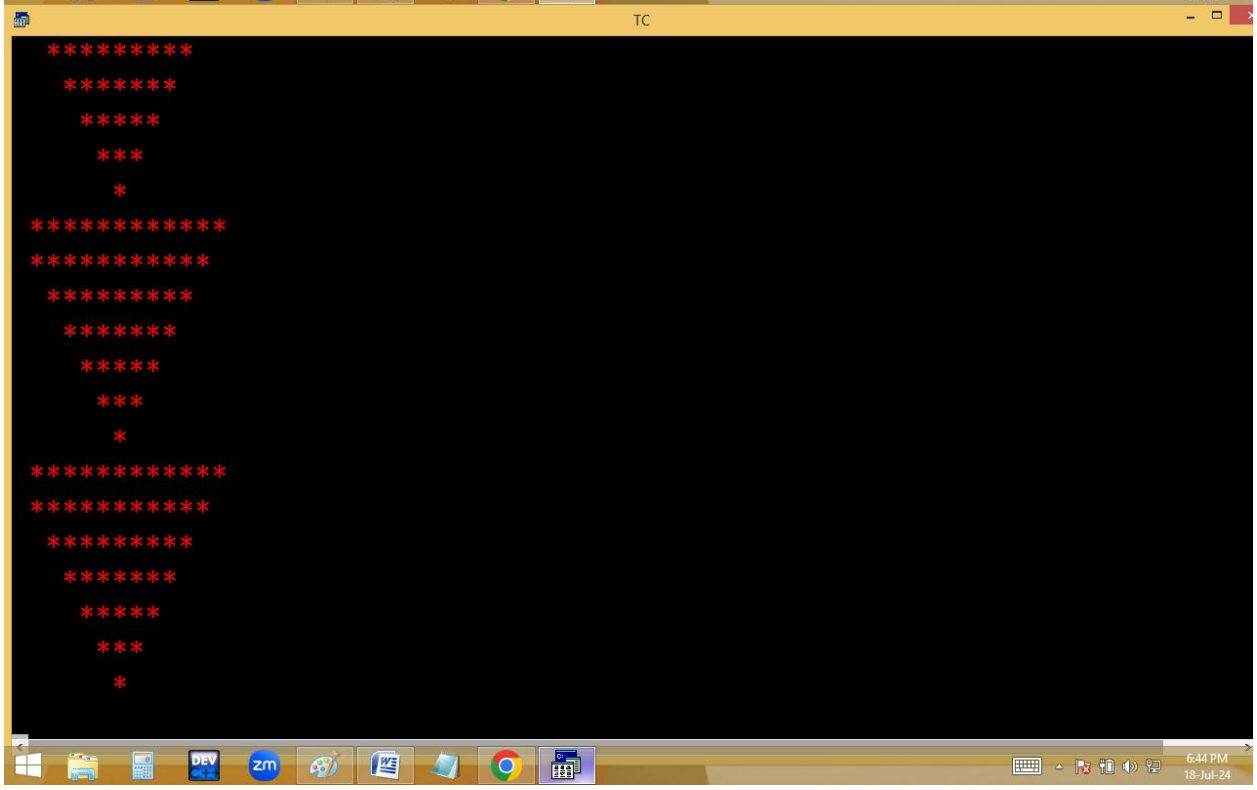
*


TC
File Edit Run Compile Project Options Debug Break/watch
Line 10 Col 17 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int s,n,r,c; clrscr();
printf("Enter no of rows "); scanf("%d",&n);
while(!kbhit())
{
textcolor(LIGHTRED);
for(r=n;r>=1;r--)
{
for(s=1;s<=n-r;s++)cprintf(" ");
for(c=1;c<=2*r-1;c++) cprintf("*");
printf("\n");
}
}
}


TC
****
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*****
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*
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*****
***
*
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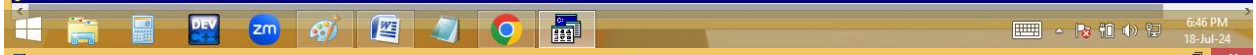
****
****
****
*****
***
*

TC

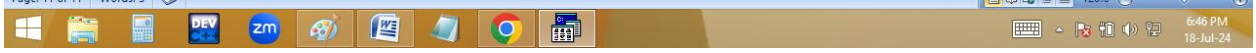
```
#include<stdio.h>
#include<conio.h>
void main()
{
int s,n,r,c;  clrscr();
printf("Enter no of rows  "); scanf("%d",&n);
for(r=1;r<=n;r++)
{
for(s=1;s<=n-r;s++)printf(" ");
for(c=1;c<=2*r-1;c++) printf("*");
printf("\n");
}
for(r=n-1;r>=1;r--)
{
for(s=1;s<=n-r;s++)printf(" ");
for(c=1;c<=2*r-1;c++) printf("*");
printf("\n");
}
getch();
}
```



TC

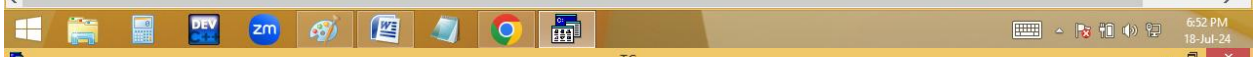
```
Enter no of rows  5
    *
   ***
  *****
 *******
*********
 *******
  *****
   ***
    *
```

Page: 11 of 11 Words: 5 120%



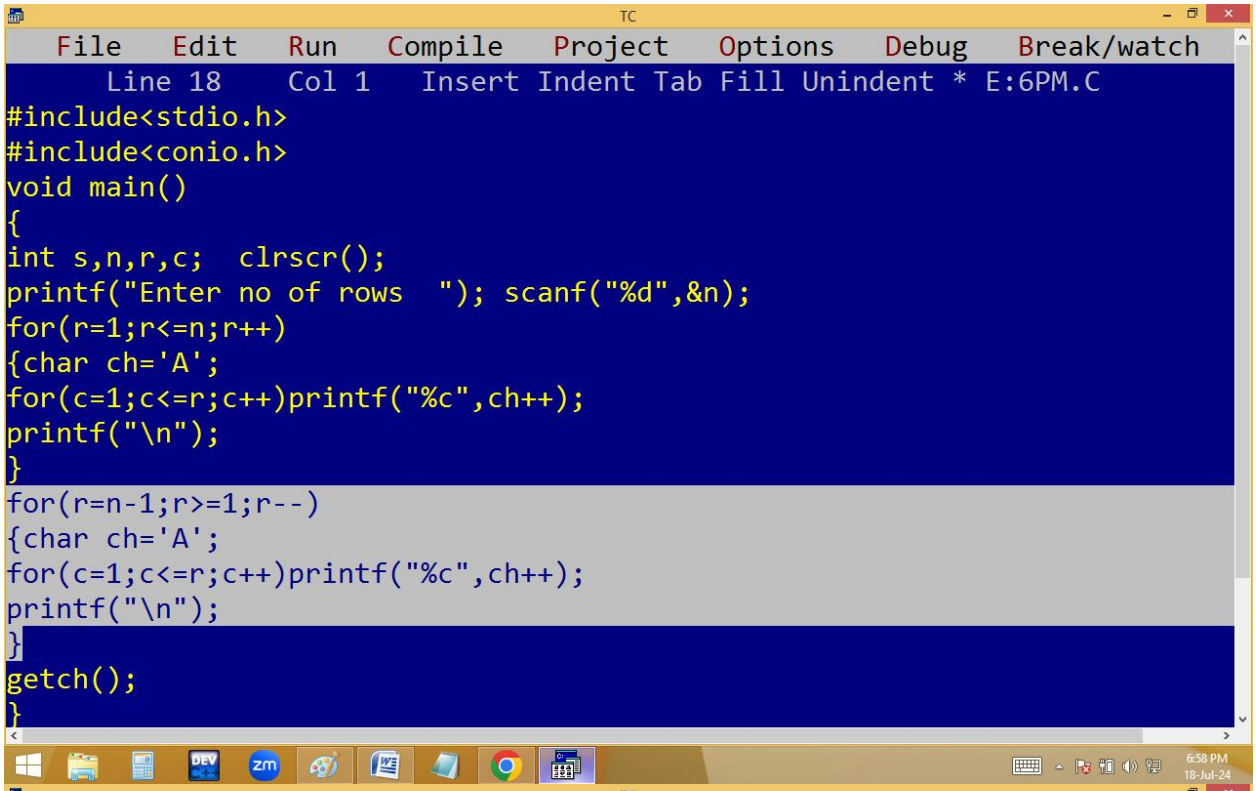
TC

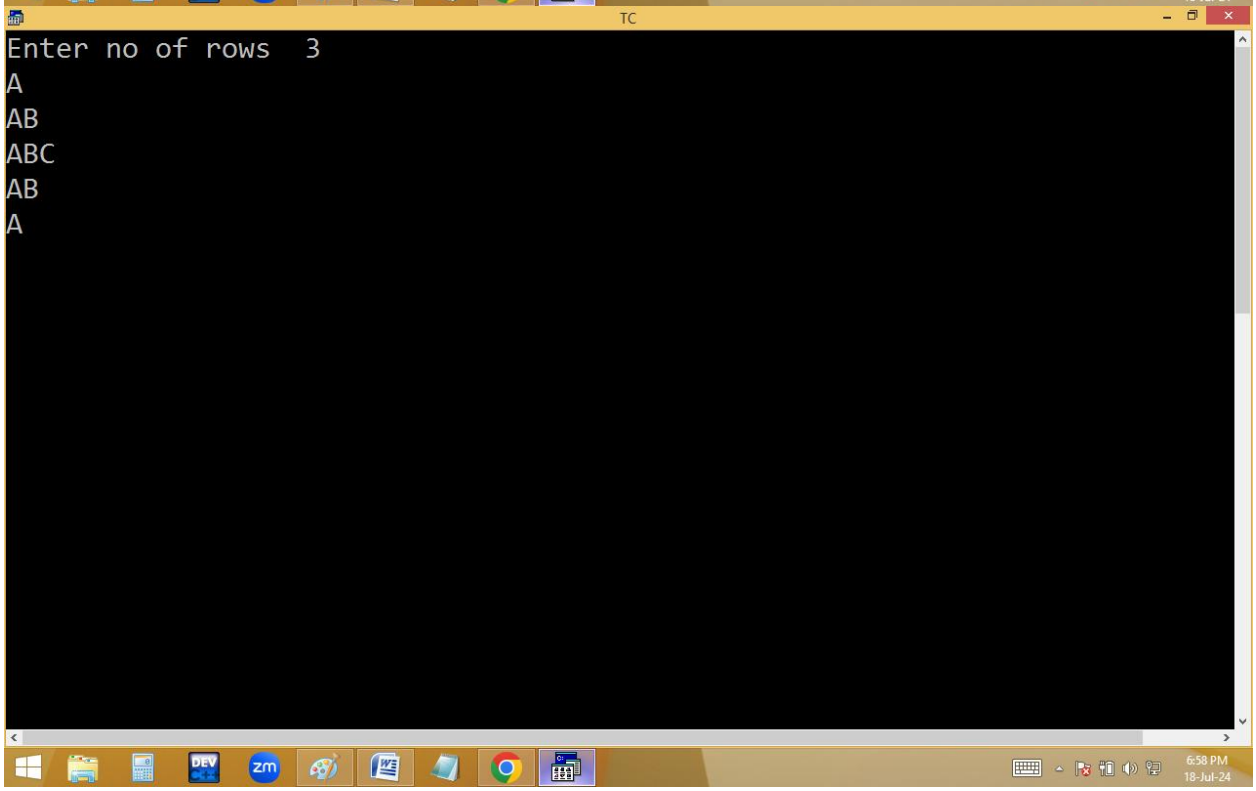
```
#include<stdio.h>
#include<conio.h>
void main()
{
int s,n,r,c;  clrscr();
printf("Enter no of rows  "); scanf("%d",&n);
for(r=1;r<=n;r++)
{
for(s=1;s<=n-r;s++)printf(" ");
for(c=1;c<=2*r-1;c++)if(c==1||c==r) printf("* ");else printf("  ");
printf("\n");
}
for(r=n-1;r>=1;r--)
{
for(s=1;s<=n-r;s++)printf(" ");
for(c=1;c<=2*r-1;c++)if(c==1||c==r)printf("* "); else printf("  ");
printf("\n");
}
getch();
}
```

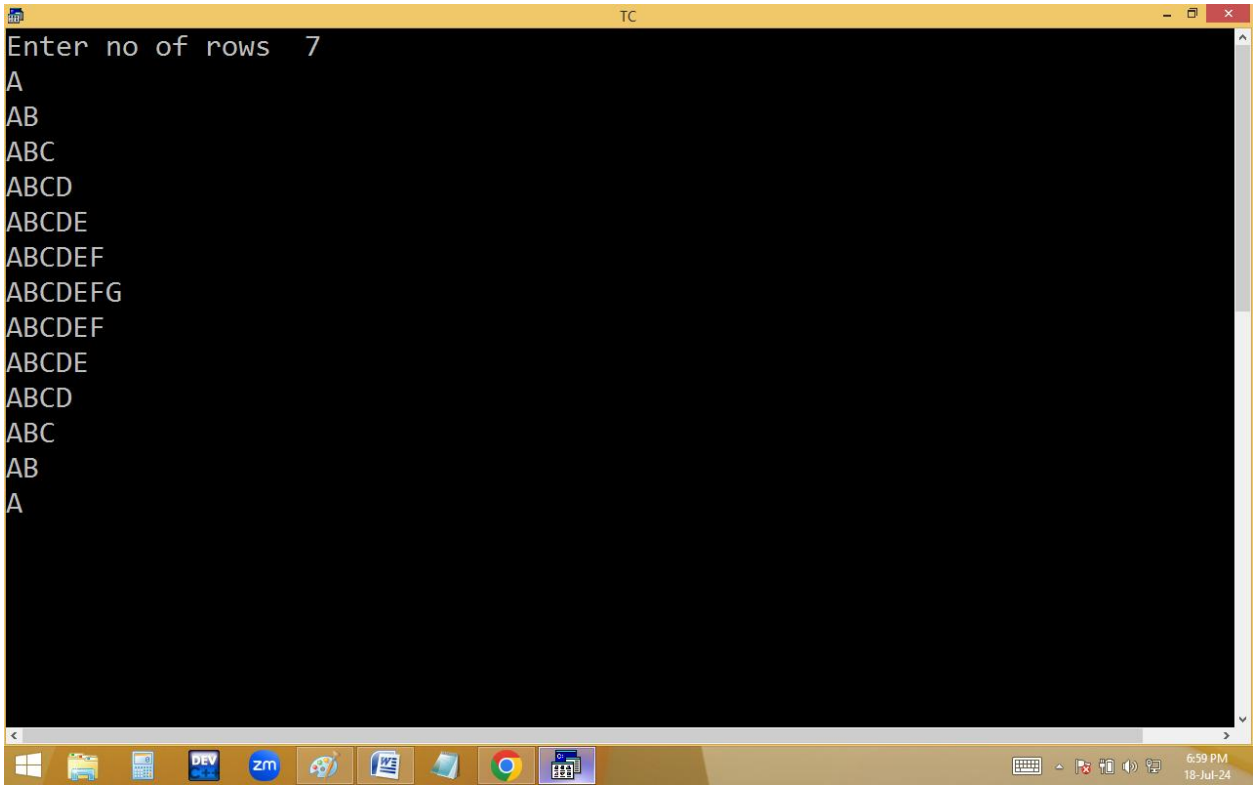


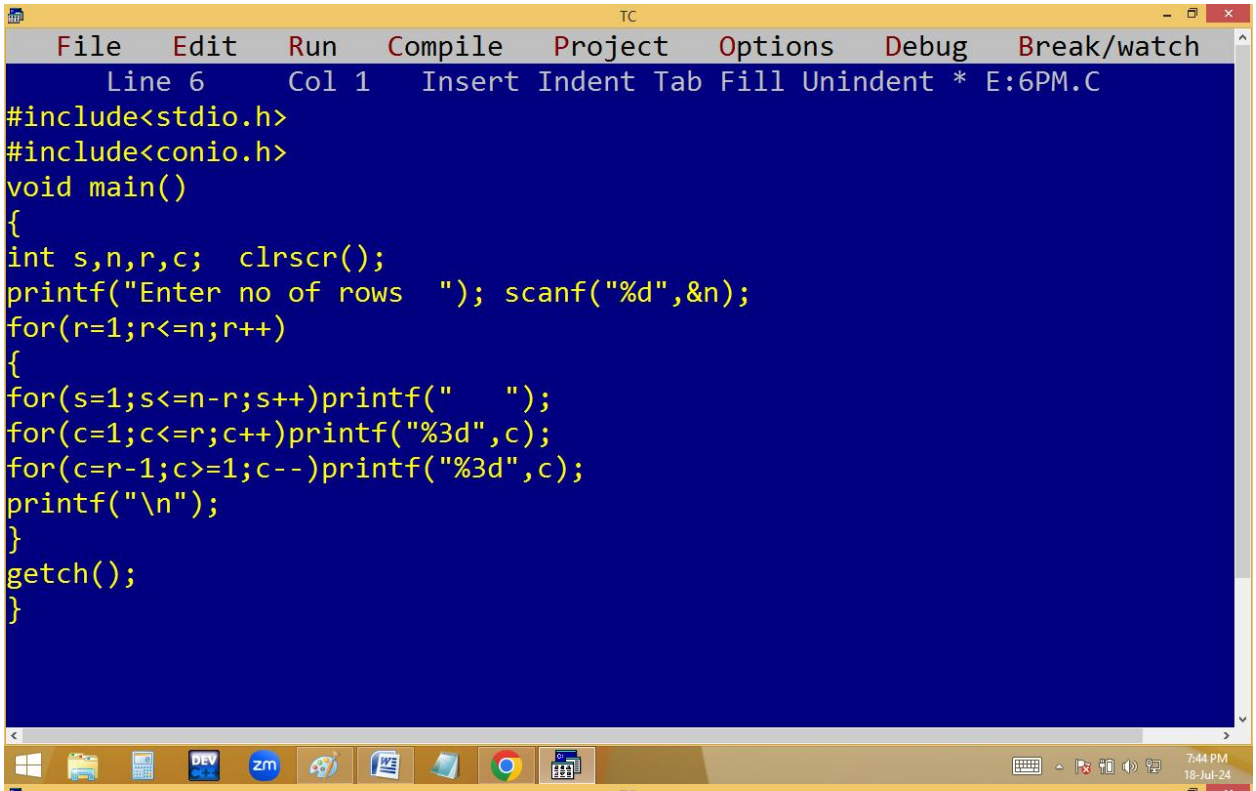
TC

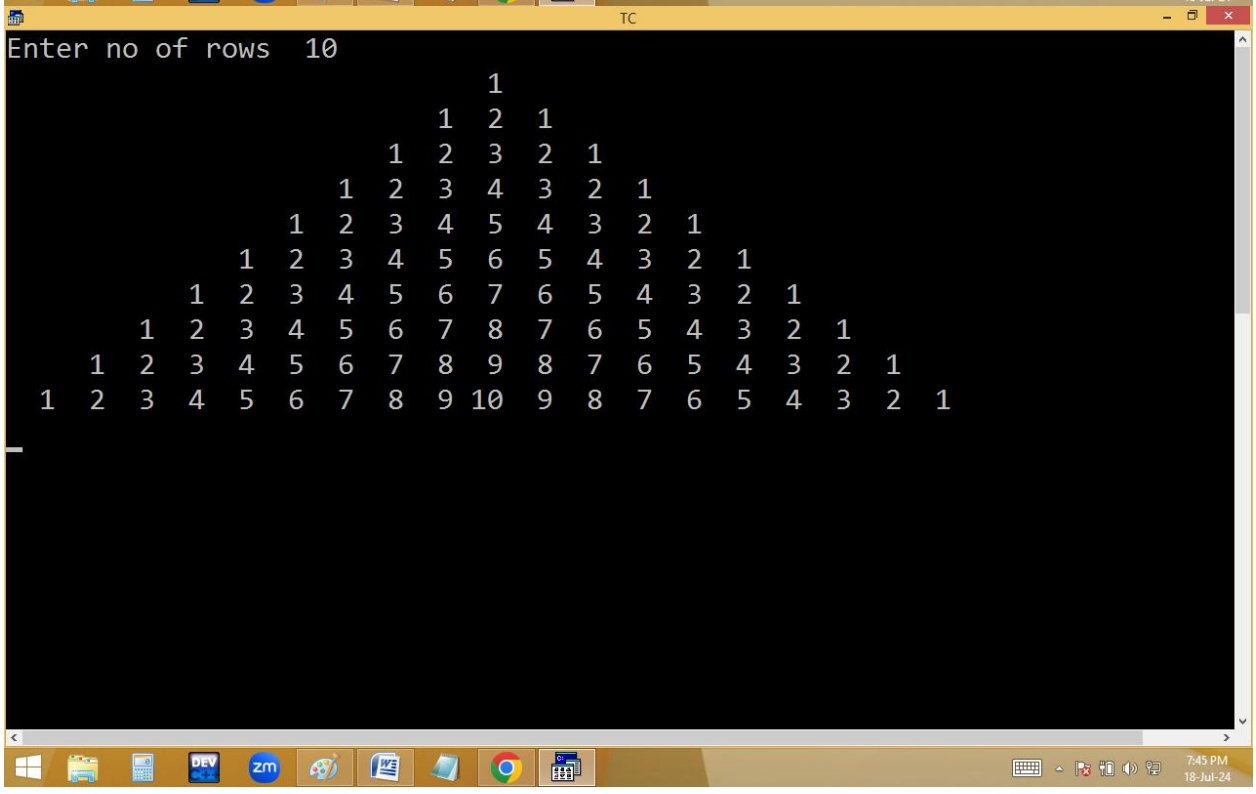
```
Enter no of rows  5
    *
   * *
  *   *
 *     *
*       *
 *     *
  *   *
   * *
    *
```

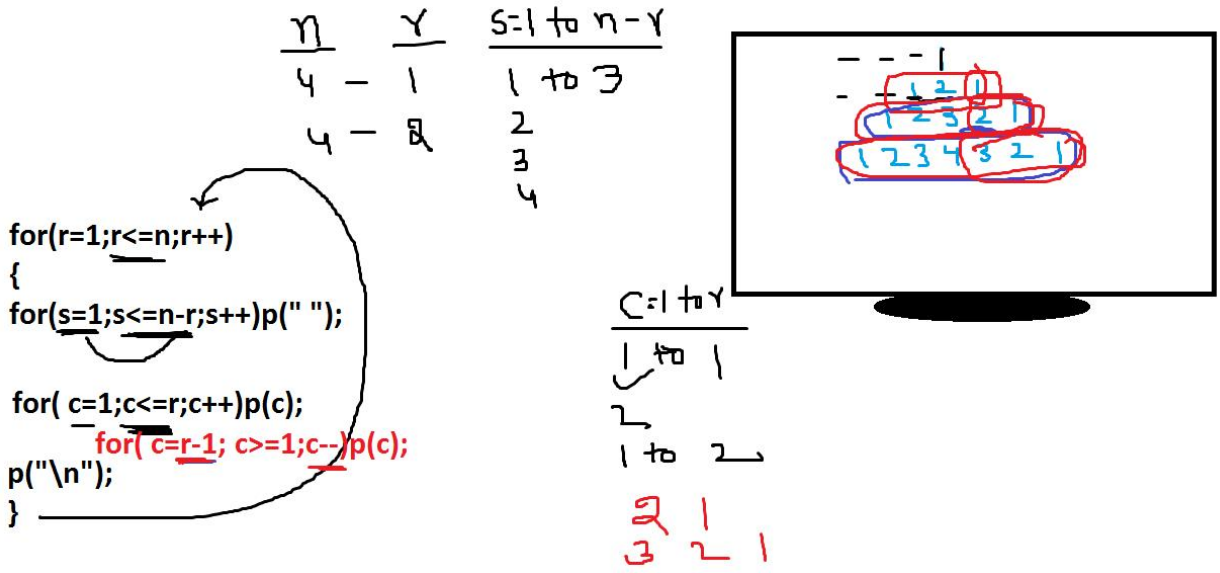

TC
File Edit Run Compile Project Options Debug Break/watch
Line 18 Col 1 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int s,n,r,c; clrscr();
printf("Enter no of rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
{char ch='A';
for(c=1;c<=r;c++)printf("%c",ch++);
printf("\n");
}
for(r=n-1;r>=1;r--)
{char ch='A';
for(c=1;c<=r;c++)printf("%c",ch++);
printf("\n");
}
getch();
}


TC
Enter no of rows 3
A
AB
ABC
AB
A

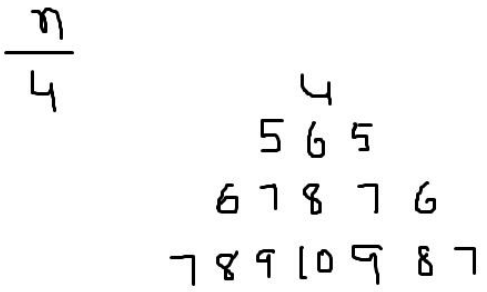

TC
Enter no of rows 7
A
AB
ABC
ABCD
ABCDE
ABCDEF
ABCDEFG
ABCDEF
ABCDE
ABCD
ABC
AB
A
6:59 PM
18-Jul-24

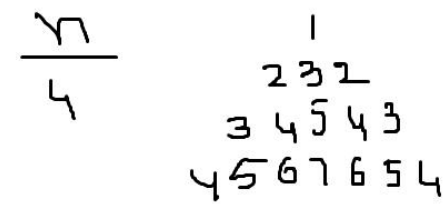

TC
File Edit Run Compile Project Options Debug Break/watch
Line 6 Col 1 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int s,n,r,c; clrscr();
printf("Enter no of rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
{
for(s=1;s<=n-r;s++)printf(" ");
for(c=1;c<=r;c++)printf("%3d",c);
for(c=r-1;c>=1;c--)printf("%3d",c);
printf("\n");
}
getch();
}

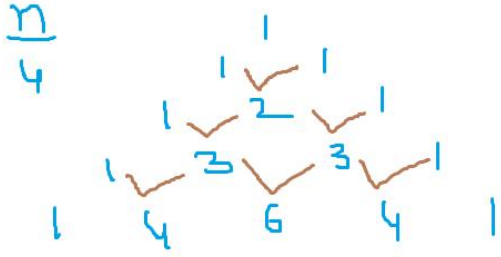

TC
Enter no of rows 10
1
1 2 1
1 2 3 2 1
1 2 3 4 3 2 1
1 2 3 4 5 4 3 2 1
1 2 3 4 5 6 5 4 3 2 1
1 2 3 4 5 6 7 6 5 4 3 2 1
1 2 3 4 5 6 7 8 7 6 5 4 3 2 1
1 2 3 4 5 6 7 8 9 8 7 6 5 4 3 2 1
1 2 3 4 5 6 7 8 9 10 9 8 7 6 5 4 3 2 1


n r s=1 to n-r
4 - 1 1 to 3
4 - 2 2
3
4
for(r=1;r<=n;r++)
{
for(s=1;s<=n-r;s++)p(" ");
for(c=1;c<=r;c++)p(c);
for(c=r-1; c>=1;c--)p(c);
p("\n");
}
c=1 to r
1 to 1
2
1 to 2
2 1
3 2 1

Home work:


n
4
4
5 6 5
6 7 8 7 6
7 8 9 10 9 8 7


n
4
1
2 3 2
3 4 5 4 3
4 5 6 7 6 5 4


n
4
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1