

PREPARE^{NEW}

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COMPETE



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shariprakashcece ▾

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pattern-3

locked

Problem

Submissions

Leaderboard

Discussions

Print the desired pattern. Samples are given

Input Format

Input should be an Integer

Constraints

$1 \leq N \leq 1000$

Output Format

Output should be desired pattern

Sample Input 0

6

Sample Output 0

```
*      *
**    **
*****
*****
**    **
*      *
```

Sample Input 1

5

Sample Output 1

```
*      *
**    **
*****
**    **
*      *
```

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Max Score: 100

Difficulty: Easy

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C ▾



```
1▼ #include <stdio.h>
2  #include <string.h>
3  #include <math.h>
4  #include <stdlib.h>
5
6▼ int main() {
7
8▼     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
9     int n,i,j;
10    scanf("%d",&n);
```

```
11     for(i=0;i<n/2;i++)
12     {
13         for(j=0;j<=i;j++)
14         {
15             printf("*");
16         }
17         for(j=n-2-2*i;j>0;j--)
18         {
19             printf(" ");
20         }
21         for(j=0;j<=i;j++)
22         {
23             printf("*");
24         }
25         printf("\n");
26     }
27
28
29     for(i=0;i<n;i++)
30         printf("*");
31     printf("\n");
32
33
34     for(i=0;i< (n-1)/2;i++)
35     {
36         for(j=0;j<ceil((float)n/2)-1-i;j++)
37         {
38             printf("*");
39         }
40
41         for(j=n%2;j<2*(i+1);j++)
42         {
43             printf(" ");
44         }
45
46         for(j=0;j<ceil((float)n/2)-1-i;j++)
47         {
48             printf("*");
49         }
50         printf("\n");
51     }
52
53
54
55 }
56
```

Line: 1 Col: 1

 Upload Code as File ☐ Test against custom input

Run Code

Submit Code