

Must do Pattern Probl... Pattern 1 | Practice | G... Pattern 2 | Practice | G... Pattern 3 | Practice | G... Pattern 4 | Practice | G... Pattern 5 | Practice | G... Pattern 6 | Practice | G... Pattern 7 | Practice | G... Pattern 8 | Practice | G...

practice.geeksforgeeks.org/problems/square-pattern/1?utm\_source=youtube&utm\_medium=collab\_striver\_ytdescription&utm\_campaign=pattern\_1

Gmail VIIT Gmail YouTube Atish Kadam - atish... Atish Kadam - Lect... atishkadam158 | Co... About webhooks ... ACE Academy | OTS TPO atishkadam158 Gec... Classes MADE EASY ONLIN... AtishKadam158 (Ati... Practice | Geeksfor... VOLP

Problems Courses Geek-O-Lympics Events POTD

Problem Submissions Comments

Pattern 1

Easy Accuracy: 54.24% Submissions: 37K+ Points: 2

Sharpen up your programming skills, participate in coding contests & explore high-paying jobs

Geek is very fond of patterns. Once, his teacher gave him a square pattern to solve. He gave Geek an integer  $n$  and asked him to build a pattern.

Help Geek to build a star pattern.

Example 1:

Input: 5

Output:  
\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*

Your Task:

You don't need to input anything. Complete the function `printSquare()` which takes an integer  $n$  as the input parameter and print the pattern.

Constraints:

C++ (g++ 5.4)

Average Time: 10m

Start Timer

1. `// } Driver Code Ends`

2. `class Solution {`

3. `public:`

4. `void printSquare(int n) {`

5. `// code here`

6. `for(int i=0;i<n;i++){`

7. `for(int j=0;j<n;j++){`

8. `cout<<"*"<<" ";`

9. `cout<<"\n";`

10. `}`

11. `}`

12. `};`

13. `// } Driver Code Ends`

Custom Input

Compile & Run

Submit

Search

ENG IN

04:20 PM 06-07-2023

Must do Pattern Probl... Pattern 1 | Practice | G... Pattern 2 | Practice | G... Pattern 3 | Practice | G... Pattern 4 | Practice | G... Pattern 5 | Practice | G... Pattern 6 | Practice | G... Pattern 7 | Practice | G... Pattern 8 | Practice | G...

practice.geeksforgeeks.org/problems/right-triangle/1?utm\_source=youtube&utm\_medium=collab\_striver\_ytdescription&utm\_campaign=pattern\_2

Gmail VIIT Gmail YouTube Atish Kadam - atish... Atish Kadam - Lect... atishkadam158 | Co... About webhooks ... ACE Academy | OTS TPO atishkadam158 Gee... Classes MADE EASY ONLIN... AtishKadam158 (Ati... Practice | Geeksfor... VOLP

Problems Courses Geek-O-Lympics Events POTD

Problem Submissions Comments

### Pattern 2

Easy Accuracy: 60.56% Submissions: 32K+ Points: 2

Sharpen up your programming skills, participate in coding contests & explore high-paying jobs

Geek is very fond of patterns. Once, his teacher gave him a pattern to solve. He gave Geek an integer  $n$  and asked him to build a pattern.

Help Geek to build a star pattern.

**Example 1:**

**Input:** 5

**Output:**

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

**Your Task:**

You don't need to input anything. Complete the function `printTriangle()` which takes an integer  $n$  as the input parameter and print the pattern.

**Constraints:**

C++ (g++ 5.4) Average Time: 10m Start Timer

```
1. // } Driver Code Ends
2. class Solution {
3. public:
4.     void printTriangle(int n) {
5.         // code here
6.         for(int i=0;i<n;i++){
7.             for(int j=0;j<=i;j++){
8.                 cout<<"*"<<" ";
9.             }
10.            cout<<"\n";
11.        }
12.    }
13. };
14. // } Driver Code Ends
```

Custom Input Compile & Run Submit

Search

ENG IN 04:20 PM 06-07-2023

Must do Pattern Probl... Pattern 1 | Practice | G... Pattern 2 | Practice | G... Pattern 3 | Practice | G... Pattern 4 | Practice | G... Pattern 5 | Practice | G... Pattern 6 | Practice | G... Pattern 7 | Practice | G... Pattern 8 | Practice | G...

practice.geeksforgeeks.org/problems/triangle-number/1?utm\_source=youtube&utm\_medium=collab\_striver\_ytdescription&utm\_campaign=pattern\_3

Gmail VIIT Gmail YouTube Atish Kadam - atish... Atish Kadam - Lect... atishkadam150 | Co... About webhooks ... ACE Academy | OTS TPO atishkadam150 Gec... Classes MADE EASY ONLIN... AtishKadam150 (Ati... Practice | Geeksfor... VOLP

Problems Courses Geek-O-Lympics Events POTD

Problem Submissions Comments

### Pattern 3

Easy Accuracy: 70.05% Submissions: 29K+ Points: 2

Sharpen up your programming skills, participate in coding contests & explore high-paying jobs

Geek is very fond of patterns. Once, his teacher gave him a pattern to solve. He gave Geek an integer  $n$  and asked him to build a pattern.

Help Geek to build a pattern.

**Example 1:**

**Input:** 5

**Output:**

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

**Your Task:**

You don't need to input anything. Complete the function `printTriangle()` which takes an integer  $n$  as the input parameter and print the pattern.

**Constraints:**

C++ (g++ 5.4) Average Time: 10m Start Timer

```
1. // } Driver Code Ends
2.
3. class Solution {
4. public:
5.     void printTriangle(int n) {
6.         // code here
7.         for(int i=0;i<n;i++){
8.             for(int j=0;j<=i;j++){
9.                 cout<<j+1<<" ";
10.            }
11.            cout<<"\n";
12.        }
13.    }
14. };
15. // } Driver Code Ends
```

Custom Input Compile & Run Submit

Search

ENG IN 04:20 PM 06-07-2023

Must do Pattern Probl... Pattern 1 | Practice | G... Pattern 2 | Practice | G... Pattern 3 | Practice | G... Pattern 4 | Practice | G... Pattern 5 | Practice | G... Pattern 6 | Practice | G... Pattern 7 | Practice | G... Pattern 8 | Practice | G...

practice.geeksforgeeks.org/problems/triangle-number-1661428795/1?utm\_source=youtube&utm\_medium=collab\_striver\_ytdescription&utm\_campaign=pattern\_4

Gmail VIIT Gmail YouTube Atish Kadam - atish... Atish Kadam - Lect... atishkadam158 | Co... About webhooks ... ACE Academy | OTS TPO atishkadam158 Gee... Classes MADE EASY ONLIN... AtishKadam158 (Ati... Practice | Geeksfor... VOLP

Problems Courses Geek-O-Lympics Events POTD

Problem Submissions Comments

### Pattern 4

Easy Accuracy: 80.54% Submissions: 26K+ Points: 2

Sharpen up your programming skills, participate in coding contests & explore high-paying jobs

Geek is very fond of patterns. Once, his teacher gave him a pattern to solve. He gave Geek an integer  $n$  and asked him to build a pattern.

Help Geek to build a pattern.

**Example 1:**

**Input:** 5

**Output:**

```
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
```

**Your Task:**

You don't need to input anything. Complete the function `printTriangle()` which takes an integer  $n$  as the input parameter and print the pattern.

**Constraints:**

C++ (g++ 5.4) Average Time: 10m Start Timer

```
1. // } Driver Code Ends
2. class Solution {
3. public:
4.     void printTriangle(int n) {
5.         // code here
6.         for(int i=0;i<n;i++){
7.             for(int j=0;j<=i;j++){
8.                 cout<<i+1<<" ";
9.             }
10.            cout<<"\n";
11.        }
12.    }
13. };
14. // } Driver Code Ends
```

Custom Input Compile & Run Submit

Search

ENG IN 04:20 PM 06-07-2023

Must do Pattern Probl... Pattern 1 | Practice | G... Pattern 2 | Practice | G... Pattern 3 | Practice | G... Pattern 4 | Practice | G... Pattern 5 | Practice | G... Pattern 6 | Practice | G... Pattern 7 | Practice | G... Pattern 8 | Practice | G...

practice.geeksforgeeks.org/problems/triangle-pattern/1?utm\_source=youtube&utm\_medium=collab\_striver\_ytdescription&utm\_campaign=pattern\_5

Gmail VIIT Gmail YouTube Atish Kadam - atish... Atish Kadam - Lect... atishkadam150 | Co... About webhooks ... ACE Academy | OTS TPO atishkadam150 Gee... Classes MADE EASY ONLIN... AtishKadam150 (Ati... Practice | Geeksfor... VOLP

Problems Courses Geek-O-Lympics Events POTD

Problem Submissions Comments

Pattern 5

Basic Accuracy: 63.54% Submissions: 28K+ Points: 1

Sharpen up your programming skills, participate in coding contests & explore high-paying jobs

Geek is very fond of patterns. Once, his teacher gave him a pattern to solve. He gave Geek an integer  $n$  and asked him to build a pattern.

Help Geek build a star pattern.

Example 1:

Input: 5

Output:  
\*\*\*\*\*  
\*\*\*\*  
\*\*\*  
\*\*  
\*

Your Task:

You don't need to input anything. Complete the function `printTriangle()` which takes an integer  $n$  as the input parameter and print the pattern.

Constraints:

C++ (g++ 5.4)

Average Time: 10m

Start Timer

```
1. // } Driver Code Ends
7. class Solution{
8. public:
9.
10. void printTriangle(int n) {
11.     // code here
12.     for(int i=0;i<n;i++){
13.         for(int j=n-i;j>0;j--){
14.             cout<<"*<<" ";
15.         }
16.         cout<<"\n";
17.     }
18. }
19. };
20. // } Driver Code Ends
```

Custom Input Compile & Run Submit

Search

ENG IN 04:20 PM 06-07-2023





Must do Pattern Problems before: x

Pattern 7 | Practice | GeeksforGeeks x

Pattern 8 | Practice | GeeksforGeeks x

+

practice.geeksforgeeks.org/problems/triangle-pattern-1661492263/1?utm\_source=youtube&utm\_medium=collab\_driver\_ytdescription&utm\_campaign=pattern\_7

Gmail VIIT Gmail YouTube Atish Kadam - atish... Atish Kadam - Lect... atishkadam158 | Co... About webhooks ... ACE Academy | OTS TPO atishkadam158 Gee... Classes MADE EASY ONLIN... AtishKadam158 (Ati... Practice | Geeksfor... VOLP

Problems Courses Geek-O-Lympics Events POTD

42

Problem Submissions Comments

Pattern 7

Basic Accuracy: 62.43% Submissions: 23K+ Points: 1

Sharpen up your programming skills, participate in coding contests & explore high-paying jobs

Geek is very fond of patterns. Once, his teacher gave him a pattern to solve. He gave Ram an integer  $n$  and asked him to build a pattern.

Help Ram build a pattern.

Example 1:

Input: 5

Output:  
\*  
\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*

Your Task:

You don't need to input anything. Complete the function `printTriangle()` which takes an integer  $n$  as the input parameter and print the pattern.

Constraints:

- $1 \leq N \leq 20$

C++ (g++ 5.4)

Average Time: 10m

Start Timer

1. // } Driver Code Ends

2. class Solution {

3. public:

4. void printTriangle(int n) {

5. // code here

6. for(int i=1;i<=n;i++){

7. for(int j=0;j<n-i;j++)cout<<" ";

8. for(int j=0;j<i\*2-1;j++)cout<<"\*";

9. cout<<"\n";

10. }

11. }

12. }

13. // } Driver Code Ends

Custom Input

Compile & Run

Submit

Search

ENG IN

04:21 PM 06-07-2023

Must d x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x

practice.geeksforgeeks.org/problems/triangle-pattern-1661493231/1?utm\_source=youtube&utm\_medium=collab\_striver\_ytdescription&utm\_campaign=pattern\_8

Gmail VIIT Gmail YouTube Atish Kadam - atish... Atish Kadam - Lect... atishkadam158 | Co... About webhooks ... ACE Academy | OTS TPO atishkadam158 Gee... Classes MADE EASY ONLIN... AtishKadam158 (Ati... Practice | Geeksfor... VOLP

Problems Courses Geek-O-Lympics Events POTD

Problem

Submissions

Comments

Pattern 8

Basic Accuracy: 63.56% Submissions: 20K+ Points: 1

Sharpen up your programming skills, participate in coding contests & explore high-paying jobs

Geek is very fond of patterns. Once, his teacher gave him a pattern to solve. He gave Geek an integer n and asked him to build a pattern.

Help Geek to build a pattern.

Example 1:

Input: 5

Output:

\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*  
\*  
\*

Your Task:

You don't need to input anything. Complete the function `printTriangle()` which takes an

Output Window

43

Start Timer

Average Time: 10m

C++ (g++ 5.4)

```
1. // } Driver Code Ends
2.
3. class Solution{
4. public:
5.
6.
7. void printTriangle(int n) {
8.     // code here
9.     int a=n;
10.    for(int i=0;i<n;i++){
11.        for(int j=0;j<i;j++){
12.            cout<<" ";
13.        }
14.        for(int j=0;j<2*n-2*i-1;j++)cout<<"*";
15.        cout<<"\n";
16.    }
17. }
18. };
19. // } Driver Code Ends
```

Custom Input Compile & Run Submit

Search

ENG IN 04:29 PM 06-07-2023







Must do x

Pattern x

Pattern x

Pattern x

Pattern x

Pattern x

Pattern x

Pattern x

Pattern x

Pattern x

Pattern x

Pattern x

+

practice.geeksforgeeks.org/problems/triangle-pattern-1661718455/1?utm\_source=youtube&utm\_medium=collab\_striver\_ytdescription&utm\_campaign=pattern\_11

Gmail VIIT Gmail YouTube Atish Kadam - atish... Atish Kadam - Lect... atishkadam158 | Co... About webhooks ... ACE Academy | OTS TPO atishkadam158 Gec... Classes MADE EASY ONLINE... AtishKadam158 (Ati... Practice | Geeksfor... VOLP

Problems Courses **Geek-O-Lympics** Events POTD

Problem Submissions Comments

Pattern 11

Basic Accuracy: 68.66% Submissions: 16K+ Points: 1

Sharpen up your programming skills, participate in coding contests & explore high-paying jobs

Geek is very fond of patterns. Once, his teacher gave him a pattern to solve. He gave Geek an integer  $n$  and asked him to build a pattern.  
Help Geek to build a star pattern.

Example 1:  
Input: 5  
Output:  
1  
0 1  
1 0 1  
0 1 0 1  
1 0 1 0 1

Your Task:  
You don't need to input anything. Complete the function `printTriangle()` which takes an integer  $n$  as the input parameter and print the pattern.

Constraints:

C++ (g++ 5.4) Average Time: 10m Start Timer

```
1 // } Driver Code Ends
2 class Solution {
3 public:
4     void print(list<int>ls){
5         for(auto itr:ls){
6             cout<<itr<<" ";
7         }
8         cout<<"\n";
9     }
10    void printTriangle(int n) {
11        // code here
12        list<int>ls;
13        for(int i=0;i<n;i++){
14            if(i%2==0)
15                ls.push_front(1);
16            else
17                ls.push_front(0);
18            print(ls);
19        }
20    }
21 };
22 // } Driver Code Ends
```

Custom Input Compile & Run Submit























Must do x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x

practice.geeksforgeeks.org/problems/square-pattern-1662287714/1?utm\_source=youtube&utm\_medium=collab\_striver\_ytdescription&utm\_campaign=pattern\_21

Gmail VIIT Gmail YouTube Atish Kadam - atish... Atish Kadam - Lect... atishkadam158 | Co... About webhooks ... ACE Academy | OTS TPO atishkadam158 Gee... Classes MADE EASY ONLIN... AtishKadam158 (Ati... Practice | Geeksfor... VOLP

Problems Courses Geek-O-Lympics Events POTD

Problem Submissions Comments

### Pattern 21

Easy Accuracy: 53.7% Submissions: 14K+ Points: 2

Sharpen up your programming skills, participate in coding contests & explore high-paying jobs

Geek is very fond of patterns. Once, his teacher gave him a pattern to solve. He gave Geek an integer **n** and asked him to build a pattern.

Help Geek to build the pattern.

**Example 1:**

Input: 4

Output:

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

**Your Task:**

You don't need to input anything. Complete the function **printSquare()** which takes an integer **n** as the input parameter and print the pattern.

**Constraints:**

C++ (g++ 5.4) Average Time: 10m Start Timer

```
1. // } Driver Code Ends
2. class Solution {
3. public:
4.     void printSquare(int n) {
5.         // code here
6.         for(int i=0;i<n;i++){
7.             for(int j=0;j<n;j++){
8.                 if(i==0 || j==0 || i==n-1 || j==n-1)
9.                     cout<<"*";
10.                else cout<<" ";
11.            }
12.            cout<<endl;
13.        }
14.    }
15. };
16. // } Driver Code Ends
```

Custom Input Compile & Run Submit

49 05:04 PM 06-07-2023

Must do x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x Pattern x

practice.geeksforgeeks.org/problems/square-pattern-1662666141/1?utm\_source=youtube&utm\_medium=collab\_striver\_ytdescription&utm\_campaign=pattern\_22

Gmail VIIT Gmail YouTube Atish Kadam - atish... Atish Kadam - Lect... atishkadam158 | Co... About webhooks ... ACE Academy | OTS TPO atishkadam158 Gec... Classes MADE EASY ONLIN... AtishKadam158 (Ati... Practice | Geeksfor... VOLP

Problems Courses Geek-O-Lympics Events POTD

Problem Submissions Comments

### Pattern 22

Easy Accuracy: 72.91% Submissions: 8K+ Points: 2

Sharpen up your programming skills, participate in coding contests & explore high-paying jobs

Geek is very fond of patterns. Once, his teacher gave him a square pattern to solve. He gave Geek an integer **n** and asked him to build a pattern.

Help Geek to build the pattern.

**Example 1:**

Input: 4

Output:

```
4 4 4 4 4 4 4
4 3 3 3 3 3 4
4 3 2 2 2 3 4
4 3 2 1 2 3 4
4 3 2 2 2 3 4
4 3 3 3 3 3 4
4 4 4 4 4 4 4
```

**Your Task:**

You don't need to input anything. Complete the function **printSquare()** which takes an integer **n** as the input parameter and print the pattern.

C++ (g++ 5.4) Average Time: 15m Start Timer

```
1. // } Driver Code Ends
2. class Solution {
3. public:
4.     void print(vector<int>arr){
5.         for(auto itr:arr)cout<<itr<<" ";
6.     }
7.     void printSquare(int n) {
8.         // code here
9.         vector<int>arr;
10.        for(int i=0;i<2*n-1;i++)arr.push_back(n);
11.        int a=1,b=arr.size()-2;
12.        print(arr);
13.        cout<<"\n";
14.        for(int i=1;i<n;i++){
15.            for(int j=a;j<=b;j++)arr[j]--;
16.            print(arr);
17.            cout<<"\n";
18.            a++,b--;
19.        }
20.        a--,b++;
21.        for(int i=0;i<n-1;i++){
22.            for(int j=a;j<=b;j++)arr[j]++;
23.            print(arr);
24.            cout<<"\n";
25.            a--,b++;
26.        }
27.    }
28. };
29. // } Driver Code Ends
```

Custom Input Compile & Run Submit

Search

ENG IN 05:04 PM 06-07-2023