Started on	Sunday, 15 May 2022, 12:14 PM
State	Finished
Completed on	Sunday, 15 May 2022, 12:59 PM
Time taken	45 mins 20 secs
Grade	**10.00** out of 10.00 (**100**%)

Write a C program to print the given triangular number pattern using loop.

EXAMPLE :

INPUT:

5

OUTPUT :

***

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int i,j,n;
    scanf("%d",&n);
    for(i=1;i<=n;i++)
    {
        for(j=1;j<=i;j++)
        {
        printf("%d ",j);
        }
        printf("\n");
    }
}
```

	Input	Expected	Got	
✔	5	1 1 2 1 2 3 1 2 3 4 1 2 3 4 5	1 1 2 1 2 3 1 2 3 4 1 2 3 4 5	✔
✔	6	1 1 2 1 2 3 1 2 3 4 1 2 3 4 5 1 2 3 4 5 6	1 1 2 1 2 3 1 2 3 4 1 2 3 4 5 1 2 3 4 5 6	✔

Passed all tests! ✔

Correct

Marks for this submission: 2.00/2.00.

Write a C program to print hollow square pattern series using for loop

Example

Input

```
Enter number of rows: 6
```

Output

6

* * * * *

*   *

*   *

*   *

* * * * *

Answer: (penalty regime: 0 %)

```c
1  #include<stdio.h>
2  int main()
3  {
4      int i,n,j,k;
5      scanf("%d",&n);
6      for(i=1;i<=n;i++)
7      {
8          if ((i==1) || (i==n))
9          {
10             for(j=1;j<=n;j++)
11             printf("*");
12         }
13         else
14         for(j=1;j<=2;j++)
15         {
```

```
16              printf("*");
17              for(k=1;k<n-1;k++)
18              printf(" ");
19          }
20          printf("\n");
21      }
22  }
```

	Input	Expected	Got	
✔	5	```***** * * * * * * *****```	```***** * * * * * * *****```	✔
✔	6	```****** * * * * * * * * ******```	```****** * * * * * * * * ******```	✔

Passed all tests! ✔

Correct

Marks for this submission: 2.00/2.00.

Write a C program for the following pattern:

1

2 6

3 7 10

4 8 11 13

5 9 12 14 15

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int i,j,k=1;
    int m[5][5]={0};
    for(i=0;i<5;i++)
    {
        for(j=i;j<=4;j++)
            m[j][i]=k++;
    }
    for(i=0;i<5;i++)
    {
        for(j=0;j<5;j++)
        {
            if(m[i][j]==0)
                printf(" ");
            else
                printf("%d ",m[i][j]);
        }
        printf("\n");
    }
}
```

	Expected	Got	
✔	1 2 6 3 7 10 4 8 11 13 5 9 12 14 15	1 2 6 3 7 10 4 8 11 13 5 9 12 14 15	✔

Passed all tests! ✔

Correct

Marks for this submission: 2.00/2.00.

Write a C program for the following pattern:

1

121

12321

Answer: (penalty regime: 0 %)

```c
1  #include<stdio.h>
2  int main()
3  {
4      int i,j;
5      for(i=1;i<=3;i++)
6      {
7          for(j=1;j<=i;j++)
8          printf("%d",j);
9          for(j=i-1;j>=1;j--)
10         printf("%d",j);
11
12      printf("\n");
13      }
14 }
```

	Expected	Got	

	Expected	Got	
✔	1 121 12321	1 121 12321	✔

Passed all tests! ✔

Correct

Marks for this submission: 2.00/2.00.

Write a C program to print equilateral triangle or pyramid star pattern

input :

4

output:

```
   +
  +++
 +++++
+++++++
```

Answer: (penalty regime: 0 %)

```c
1  #include<stdio.h>
2  int main()
3  {
4      int i,j,r;
5      scanf("%d",&r);
6      for(i=1;i<=r;i++)
7      {
8          for(j=i;j<r;j++)
9          {
10         printf(" ");
11         }
12         for(j=1;j<=(2*i-1);j++)
13         {
14         printf("+");
15         }
16     printf("\n");
17     }
18 }
```

	Input	Expected	Got	
✔	4	+ +++ +++++ +++++++	+ +++ +++++ +++++++	✔
✔	5	+ +++ +++++ +++++++ +++++++++	+ +++ +++++ +++++++ +++++++++	✔

Passed all tests! ✔

Correct

Marks for this submission: 2.00/2.00.