

Write a C Program to Generate First N Triangular Numbers (Where N is read from the Keyboard)

```
#include <stdio.h>

// Function to find triangular number

void triangular_series(int n)
{
    int i, j = 1, k = 1;

    // For each iteration increase j by 1
    // and add it into k
    for (i = 1; i <= n; i++) {
        printf(" %d ", k);

        j = j + 1; // Increasing j by 1

        k = k + j; // Add value of j into k and update k
    }
}

// Driven Function

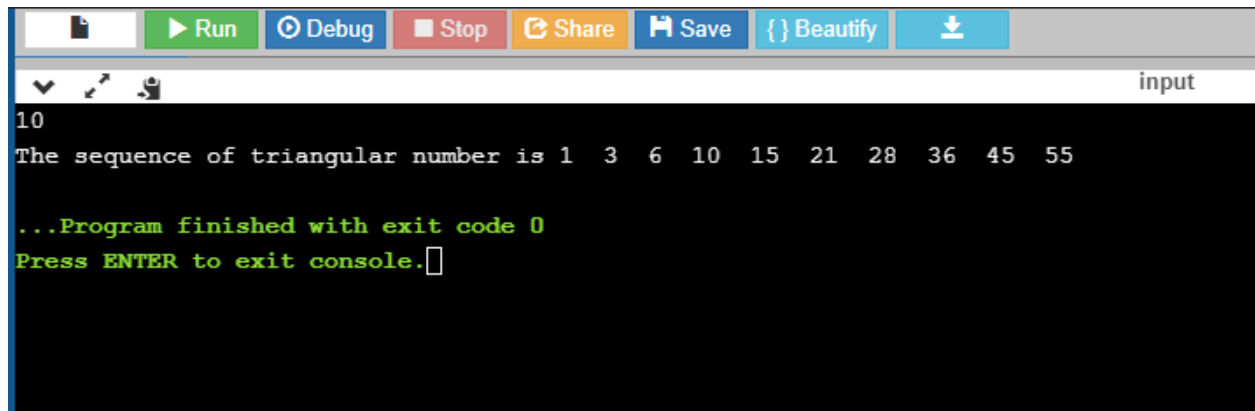
int main()
{
    int n;

    scanf("%d",&n);

    printf("The sequence of triangular number is");

    triangular_series(n);

    return 0;
}
```



The image shows a code editor window with a toolbar at the top containing buttons for Run, Debug, Stop, Share, Save, Beautify, and a download icon. Below the toolbar is a console window with a dark background and light green text. The console displays the output of a program that calculates triangular numbers for the input 10. The output shows the sequence of triangular numbers: 1, 3, 6, 10, 15, 21, 28, 36, 45, 55. The program has finished with exit code 0, and the console prompts the user to press ENTER to exit.

```
10
The sequence of triangular number is 1 3 6 10 15 21 28 36 45 55

...Program finished with exit code 0
Press ENTER to exit console.
```