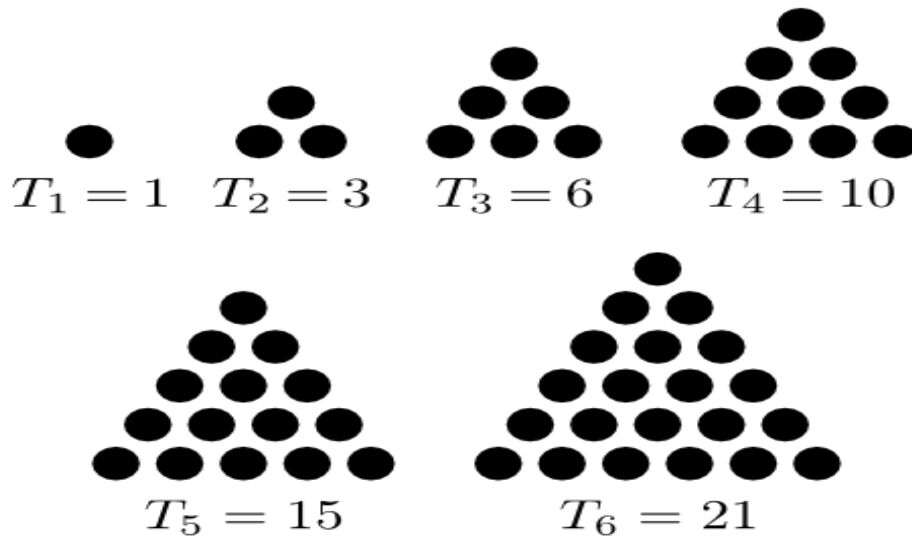


Q1] Write a program to check the given number is triangular number or not.

Series:- Example: triangular series,



Les six premiers nombres triangulaires

Q2] Write a program to print following pattern,

```
1
2 3 2
3 4 5 4 3
4 5 6 7 6 5 4
5 6 7 8 9 8 7 6 5
```

Q3] Write a menu driven program in which the input is string or sentence which is taken from user and perform following operations without changing the original string:

A] Convert sentence into lowercase.

B] Convert sentence into uppercase.

C] Convert sentence into Toggle case (i.e., if letter is uppercase make it lower or viceversa).

NOTE: Do not use any library functions.

Q4] Write a program to print sum of all even from 1 to N, where N is a input provided by user.

NOTE: You have to use only three variables & do not use any loop.

Q5] Write a program to replace the occurrence same character back to back with single character.

Example: Input: AABCDDEFGGGGIIIII.

Output: ABCDEFGI.

Submission link: -

<https://forms.gle/m66sbsPbt2NpzkmM7>