



Introduction to Programming with Java

Class: [TriangleTable.java](#)

Score: ★★

Prerequisites: Java ACM Task Force, loops

Description: Write a program that duplicates the sample run shown at the sample run, which displays the sum of the first N integers for each value of N from 1 to 10. As the output suggests, these numbers can be arranged to form a triangle and are therefore called triangle numbers.

Sample Run:

```
TriangleTable
File Edit
1 = 1
1 + 2 = 3
1 + 2 + 3 = 6
1 + 2 + 3 + 4 = 10
1 + 2 + 3 + 4 + 5 = 15
1 + 2 + 3 + 4 + 5 + 6 = 21
1 + 2 + 3 + 4 + 5 + 6 + 7 = 28
1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 = 36
1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 = 45
1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55
```