No#1

Write a program that finds the sum of the following series up to given integer N.

$$9 + 99 + 999 + 9999 + 99999 + 999999 \dots + N$$

Sample Input: 1500 Sample Output: 1107

<u>No#2</u>

Consider the following algorithm:

- 1. input n
- 2. print n
- 3. if n = 1 then STOP
- 4. if n is odd then $n \leftarrow 3n + 1$
- 5. else $n \leftarrow n/2$
- 6. GOTO 2

Given the input 22, the following sequence of numbers will be printed

 $22\ 11\ 34\ 17\ 52\ 26\ 13\ 40\ 20\ 10\ 5\ 16\ 8\ 4\ 2\ 1$

No#3

Write a Java program to display the following pattern for a given row and column input.