6. Zigzag Conversion

The string "PAYPALISHIRING" is written in a zigzag pattern on a given number of rows like this: (you may want to display this pattern in a fixed font for better legibility)

PAHN

APLSIIG

YIR

And then read line by line: "PAHNAPLSIIGYIR"

Write the code that will take a string and make this conversion given a number of rows: string convert(string s, int numRows);

Example 1:

Input: s = "PAYPALISHIRING", numRows = 3

Output: "PAHNAPLSIIGYIR"

Example 2:

Input: s = "PAYPALISHIRING", numRows = 4

Output: "PINALSIGYAHRPI"

Explanation:

PIN

A LSIG

YA HR

PΙ

Example 3:

Input: s = "A", numRows = 1

Output: "A"

Constraints:

• 1 <= s.length <= 1000

- s consists of English letters (lower-case and upper-case), ',' and '...
- 1 <= numRows <= 1000