

Task:

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)

```
P   A   H   N
```

```
A P L S I I G
```

```
Y   I   R
```

And then read line by line: **"PAHNAPLSIIGYIR"**

Example:

Input 1

```
s = "PAYPALISHIRING", numRows = 3
```

Output 1

```
"PAHNAPLSIIGYIR"
```

Input 2

```
s = "PAYPALISHIRING", numRows = 4
```

Output 2

```
"PINALSIGYAHRPI"
```

Explanation:

```
P       I       N
```

```
A   L S   I G
```

```
Y A       H R
```

```
P       I
```