👍 655   👎 2181   ♡   ▾

6. ZigZag Conversion

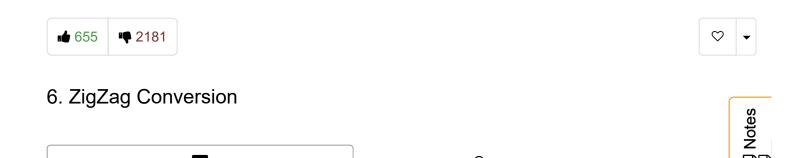| 🗒 Description (/problems/zigzag-conversion/description/) | 💡 Hints (/problems/zigzag-conversion/hints/) | Submissions (/problems/zigza |

Notes

🔀 Pick One (/problems/random-one-question/)

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"`

Write the code that will take a string and make this conversion given a number of rows:

```
string convert(string s, int numRows);
```
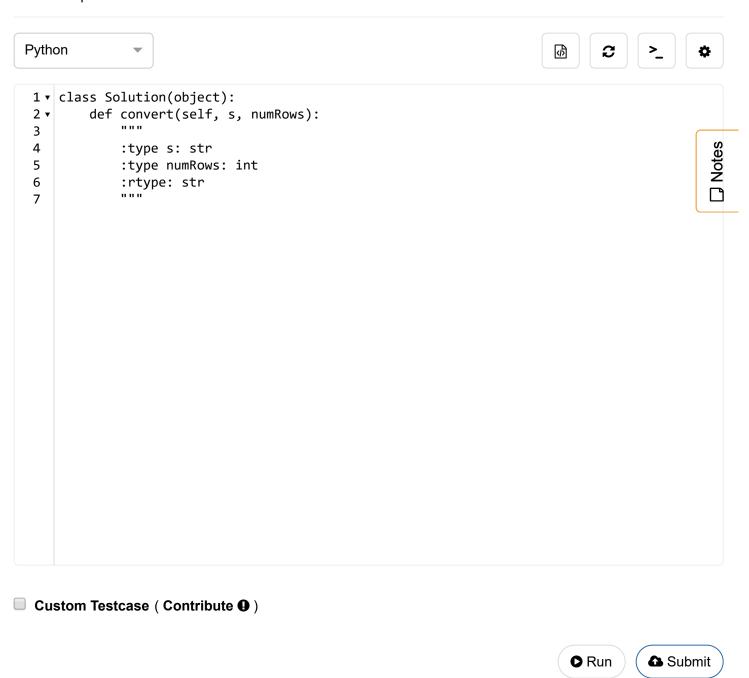
Example 1:

```
Input: s = "PAYPALISHIRING", numRows = 3
Output: "PAHNAPLSIIGYIR"
```

Example 2:

```
Input: s = "PAYPALISHIRING", numRows = 4
Output: "PINALSIGYAHRPI"
Explanation:

P     I    N
A   L S  I G
Y A   H R
P     I
```

Seen this question in a real interview before?   Yes   No   ✕

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```python
1 ▾ class Solution(object):
2 ▾     def convert(self, s, numRows):
3           """
4           :type s: str
5           :type numRows: int
6           :rtype: str
7           """
```

☐ Notes

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