

# Unknown Title

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Description

Description



Note

Note



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Submissions

Submissions



Code

Code



Testcase

Testcase

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Test Result

Test Result

## 6. Zigzag Conversion

Medium



Topics

Companies

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

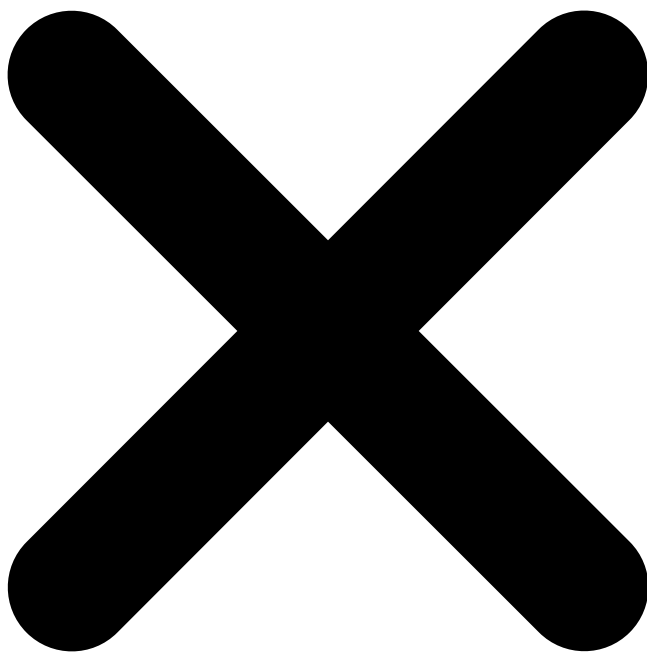
**Example 3:**

**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`



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Seen this question in a real interview before?

1/5

Yes

No

Accepted

1.5M

Submissions

3.1M

Acceptance Rate

49.7%



Topics



[String](#)



Companies



Discussion (335)



Discussion Rules



1. Please don't post **any solutions** in this discussion.

2. The problem discussion is for asking questions about the problem or for sharing tips - anything except for solutions.

3. If you'd like to share your solution for feedback and ideas, please head to the solutions tab and post it there.

No comments yet.

139 Online

1

2

3

4

5

```
class Solution {  
    public String convert(String s, int numRows) {  
  
    }  
}
```



Saved

Ln 1, Col 1

s =

"PAYPALISHIRING"

numRows =

3

9

1

2

3

4

5

6

›

"PAYPALISHIRING"

3

"PAYPALISHIRING"

4

"A"

1

</>

Source



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