Minimum Path Sum

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Total Question Solution

Accepted: **49121** Total Submissions: **151118** Difficulty: **Medium**

> Given a *m* x *n* grid filled with non-negative numbers, find a path from top left to bottom right which *minimizes* the sum of all numbers along its path.
>
> **Note:** You can only move either down or right at any point in time.
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Python

```
1  class Solution(object):
2      def minPathSum(self, grid):
3          """
4          :type grid: List[List[int]]
5          :rtype: int
6          """
7          row = len(grid)
8          col = len(grid[0])
9          for i in range(row):
10             for j in range(col):
11                 if i==0 and j==0:continue
12                 elif i==0:grid[i][j]+=grid[i][j-1]
13                 elif j==0:grid[i][j]+=grid[i-1][j]
14                 else:grid[i][j]+=min(grid[i][j-1],grid[i-1][j])
15         return grid[row-1][col-1]
```

Custom Testcase

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Submission Result: Accepted (/submissions/detail/40568439/)

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