Unique Paths

Try to solve the Unique Paths problem.

We'll cover the following

Statement

An $m * n$ grid contains a robot. Initially, the robot is located at the top-left corner of the grid at location `grid[0][0]`. The robot makes an attempt to move to the bottom-right corner of the grid at location `grid[m - 1][n - 1]`. At any one time, the robot can only move to the right or down.

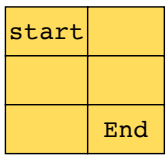
Given the two integers, `m` and `n`, return the total number of distinct paths that the robot can take to reach the bottom-right corner of the grid.

Constraints:

- $1 \leq m, n \leq 100$

Examples

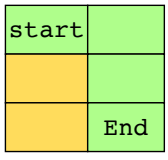
Input: m = 3, n = 2



Create the 2-D matrix of 3*2. Next, find the paths.

1 of 4

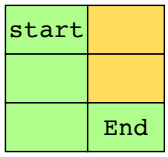
Input: m = 3, n = 2



Start→Right→Down→Down→End.

2 of 4

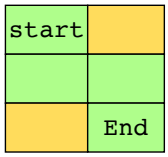
Input: m = 3, n = 2



Start→Down→Down→Right→End.

3 of 4

Input: m = 3, n = 2



Start→Down→Right→Down→End.

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Understand the problem

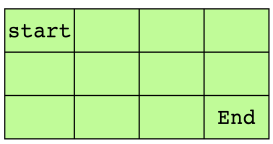
Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:

Unique Paths

1 Given the values of m and n, find the total number of paths.

m = 3

n = 4



A) 2

B) 10

C) 12

D) 14

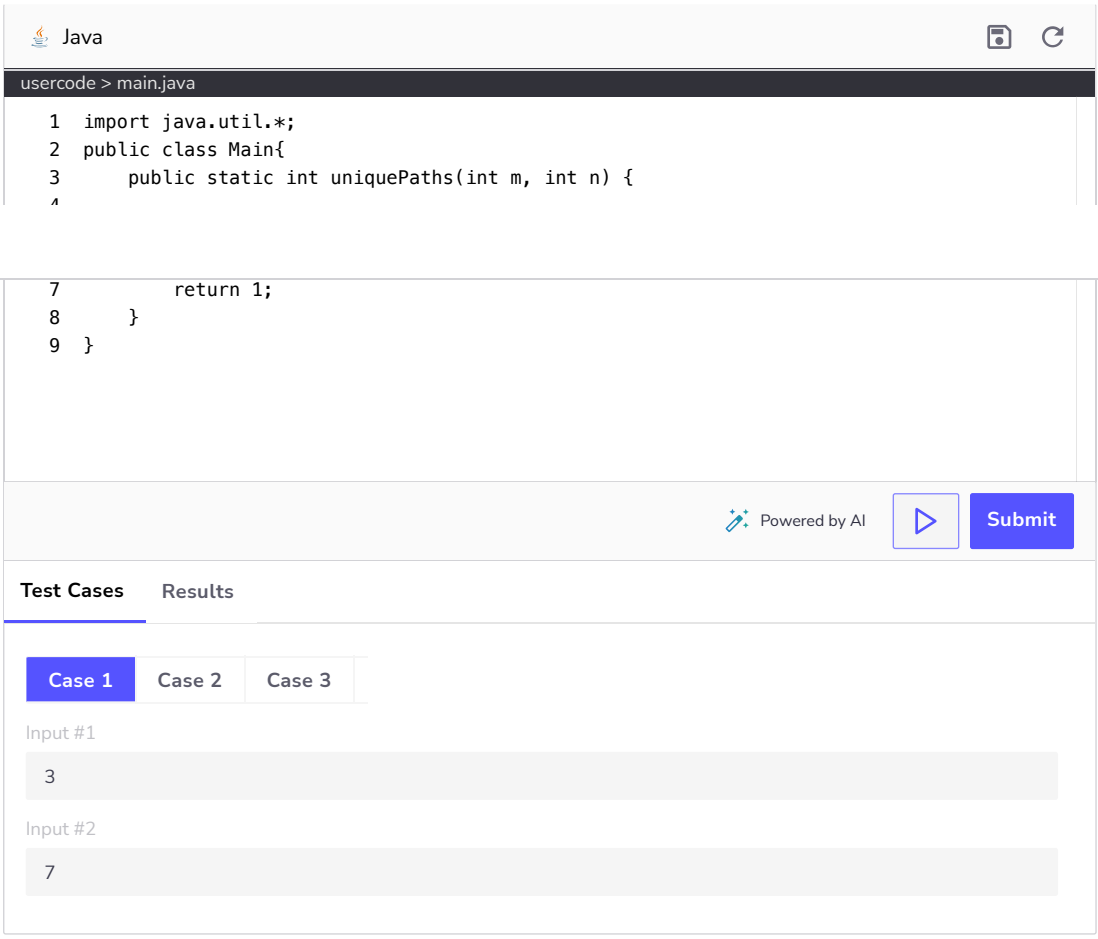
Submit Answer

Question 1 of 2
0 attempted

Reset Quiz

Try it yourself

Implement your solution in the following coding playground:



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Need a Hint?

Back
Majority Element

Next
Longest Palindromic S...

Mark as Completed