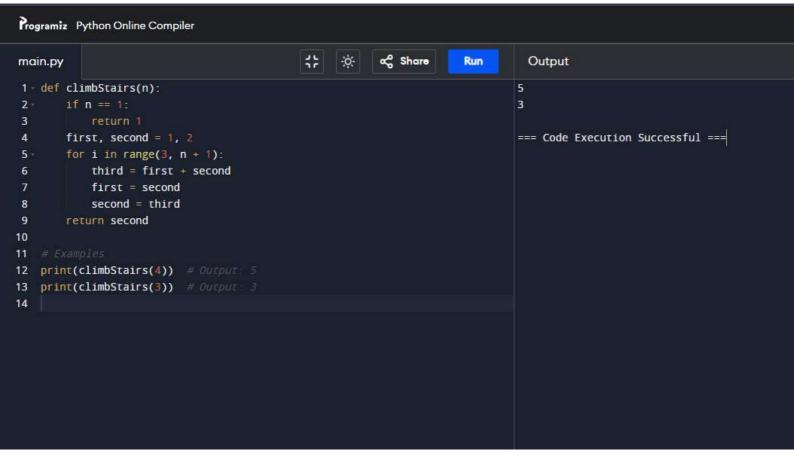
```
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                                              44
main.py
                                                                        Run
                                                                                   Output
 1 - def findPaths(m, n, N, i, j):
        MOD = 10**9 + 7
        dp = [[0] * n for _ in range(m)]
        dp[i][j] = 1
                                                                                 === Code Execution Successful ===
        directions = [(0, 1), (1, 0), (0, -1), (-1, 0)]
 6
        count = 0
        for _ in range(N):
 9
            temp = [[0] * n for _ in range(m)]
            for r in range(m):
10
                for c in range(n):
                    for dr, dc in directions:
                        nr, nc = r + dr, c + dc
14
                        if 0 \le nr \le m and 0 \le nc \le n:
                            temp[nr][nc] = (temp[nr][nc] + dp[r][c]) %
16
                            count = (count + dp[r][c]) % MOD
            dp = temp
19
20
        return count
```

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Programiz Python Online Compiler 1; × ∝ Share Run Output main.py 1 def rob(nums): Output: 3 def rob_range(start, end): Output: 4 3 rob_next, rob_curr = 0, 0 === Code Execution Successful === 4 for i in range(start, end): rob_next, rob_curr = max(rob_curr + nums[i], rob_next), rob_next 6 return rob_next 8 if len(nums) == 1: 9 return nums[0] return max(rob_range(0, len(nums) - 1), rob_range(1, len(nums))) 13 nums1 = [2, 3, 2]14 print("Output:", rob(nums1)) # Output: The maximum money you can rob 16 nums2 = [1, 2, 3, 1] print("Output:", rob(nums2)) # Output: The maximum money you can rob 18



```
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                                                                    Run
                                                                              Output
main.py
1 def uniquePaths(m, n):
                                                                             28
       dp = [[1] * n for _ in range(m)]
                                                                             3
2
3 -
       for i in range(1, m):
4 -
           for j in range(1, n):
                                                                             === Code Execution Successful ===
5
               dp[i][j] = dp[i - 1][j] + dp[i][j - 1]
       return dp[-1][-1]
9 m1, n1 = 7, 3
10 output1 = uniquePaths(m1, n1)
11 print(output1) # Output: 28
14 m2, n2 = 3, 2
15 output2 = uniquePaths(m2, n2)
16 print(output2) # Output: 3
```

Programiz Python Online Compiler 45 -0-∞ Share main.py Run Output [[3, 6]] 1 def largeGroupPositions(s): result = [] [] 3 start = 0 === Code Execution Successful === 4 for end in range(len(s)): if end == len(s) - 1 or s[end] != s[end + 1]: if end - start + 1 >= 3: 6 result.append([start, end]) 8 start = end + 1 return result 10 12 s1 = "abbxxxxzzy" print(largeGroupPositions(s1)) # Output: [[3, 6]] 14 16 s2 = "abc" 17 print(largeGroupPositions(s2)) # Output: [] 18

```
Programiz Python Online Compiler
                                                           ∝ Share
                                               44
                                                                         Run
main.py
                                                                                   Output
        def count_live_neighbors(board, i, j):
                                                                                ^ [[0, 1, 0], [0, 0, 1], [1, 1, 1], [0, 0, 0]]
 2 -
                                                                                 [[1, 1], [1, 0]]
            count = 0
 4
            for x in range(-1, 2):
 5
                for y in range(-1, 2):
                                                                                  === Code Execution Successful ===
                    if x == 0 and y == 0:
                    if 0 \le i + x < len(board) and 0 \le j + y < len
 8
                        (board[0]):
 9
                        count += board[i + x][j + y] & 1
10
            return count
12
        for i in range(len(board)):
            for j in range(len(board[0])):
                live_neighbors = count_live_neighbors(board, i, j)
14
                if board[i][j] == 1 and (live_neighbors < 2 or</pre>
15
                    live_neighbors > 3):
16
                    board[i][j] = 2
17
                if board[i][j] == 0 and live_neighbors == 3:
                    board[i][j] = -1
18
19
        for i in range(len(board)):
20 -
            for j in range(len(board[0])):
```

