

## Problem Statement 16

### Number of Islands

Given an  $m \times n$  2D binary grid `grid` which represents '1's (land) and '0's (water), return the number of islands.

Example:

Input: `grid = [`

`["1","1","1","1","0"],`

`["1","1","0","1","0"],`

`["1","1","0","0","0"],`

`["0","0","0","0","0"]`

`]`

Output: 1

### Course Schedule

There are a total of `numCourses` courses to take. Some courses have prerequisites. Determine if it's possible to finish all courses.

Example:

Input: `numCourses = 2, prerequisites = [[1,0]]`

Output: true