

# Amazon Written Test May 2019 Software Development Engineer I

- Difficulty Level : \n[Basic](#)
- Last Updated : \n09 May, 2019

There are a total of  $n$  courses you have to take, labeled from 0 to  $n-1$ .

Some courses may have prerequisites, for example, to take course 0 you have to first take course 1, which is expressed as a pair: [0, 1]

Given the total number of courses and a list of prerequisite pairs, is it possible for you to finish all courses?

**Examples:**

**Input:** 2,

[1, 0]

**Output:** true

**Explanation:** There are a total of 2 courses to take.

To take course 1 you should have finished course 0. So it is possible.

**Input:** 2, [[1, 0], [0, 1]]

**Output:** false

**Explanation:** There are a total of 2 courses to take.

To take course 1 you should have finished course 0, and to take course 0 you should also have finished course 1. So it is impossible.

My Personal Notes\narrow\_drop\_up

Add your personal notes here

Save