

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 class Program {
4     class OrganizationalEntity {
5         let name: String
6         var directReports = [OrganizationalEntity]()
7
8         init(name: String) {
9             self.name = name
10        }
11    }
12
13    // O(n) time | O(d) space
14    func getLowestCommonManager(_ topManager: OrganizationalEntity, _
15        return getOrganizationalInfo(topManager, reportOne, reportTwo)
16    }
17
18    func getOrganizationalInfo(_ manager: OrganizationalEntity, _ repo
19        var numberOfImportantReports = 0
20
21    for directReport in manager.directReports {
22        let organizationalInfo = getOrganizationalInfo(directRepor
23
24        if organizationalInfo.0 != nil {
25            return organizationalInfo
26        }
27
28        numberOfImportantReports += organizationalInfo.1
29    }
30
31    if manager === reportOne || manager === reportTwo {
32        numberOfImportantReports += 1
33    }
```

Solution 1 Solution 2 Solution 3

```
1 class Program {
2     // This is an input class. Do not edit.
3     class OrganizationalEntity {
4         let name: String
5         var directReports = [OrganizationalEntity]()
6
7         init(name: String) {
8             self.name = name
9         }
10    }
11
12    func getLowestCommonManager(_ topManager: OrganizationalEntity, _
13        // Write your code here.
14        return nil
15    }
16 }
17
```

Our Tests

```
1 class Program {
2     class OrganizationalEntity {
3         let name: String
4         var directReports = [OrganizationalEntity]()
5
6         init(name: String) {
7             self.name = name
8         }
9     }
10
11    // O(n) time | O(d) space
12    func getLowestCommonManager(_ topManager: OrganizationalEntity, _
13        return getOrganizationalInfo(topManager, reportOne, reportTwo)
14    }
15
16    func getOrganizationalInfo(_ manager: OrganizationalEntity, _ repo
17        var numberOfImportantReports = 0
18
19    for directReport in manager.directReports {
20        let organizationalInfo = getOrganizationalInfo(directRepor
21
22        if organizationalInfo.0 != nil {
23            return organizationalInfo
24        }
25
26        numberOfImportantReports += organizationalInfo.1
27    }
28
29    if manager === reportOne || manager === reportTwo {
30        numberOfImportantReports += 1
31    }
```

Custom Output

Submit Code

