Solution 1

Solution 1 Solution 2 Solution 3

Run Code

Our Solution(s)

Run Code

```
Your Solutions
```

```
1 using namespace std;
 3 class OrgChart {
 4 public:
    char name;
     vector<OrgChart *> directReports;
     OrgChart(char name) {
9
      this->name = name;
       this->directReports = {};
10
11
12
13
     void addDirectReports(vector<OrgChart *> directReports);
14
15
16 OrgChart *getLowestCommonManager(OrgChart *topManager, OrgChart *repor
17
                                    OrgChart *reportTwo) {
18
     // Write your code here.
19
     return NULL;
20 }
21
```

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   using namespace std;
 5 class OrgChart {
     char name;
     vector<OrgChart *> directReports;
9
10
     OrgChart(char name) {
11
       this->name = name;
12
       this->directReports = {};
13
14
15
     void addDirectReports(vector<OrgChart *> directReports);
16 };
17
18 struct OrgInfo {
     OrgChart *lowestCommonManager;
19
20
     int numImportantReports;
21 };
22
23 OrgInfo getOrgInfo(OrgChart *manager, OrgChart *reportOne, OrgChart *r
25\, // O(n) time | O(d) space - where n is the number of people
26 // in the org and d is the depth (height) of the org chart
27 OrgChart *getLowestCommonManager(OrgChart *topManager, OrgChart *repor
                                   OrgChart *reportTwo) {
28
29
     return getOrgInfo(topManager, reportOne, reportTwo).lowestCommonMana
30 }
31
32 OrgInfo getOrgInfo(OrgChart *manager, OrgChart *reportOne,
                      OrgChart *reportTwo) {
33
```

Run or submit code when you're ready.

months appeared by the property of the propert

Office 1 - Expension 1 - Expen