

Org Chart Viewer

Our company has ~20,000 employees.

We have an “employees” table in our database with three columns:

- id
- name
- bossId

“bossId” points to another employees.id value. The CEO is his own boss: for him employees.supervisorId = employees.id. Everybody else has a supervisor.

You need to write a PHP program which generates the following table as an HTML output:

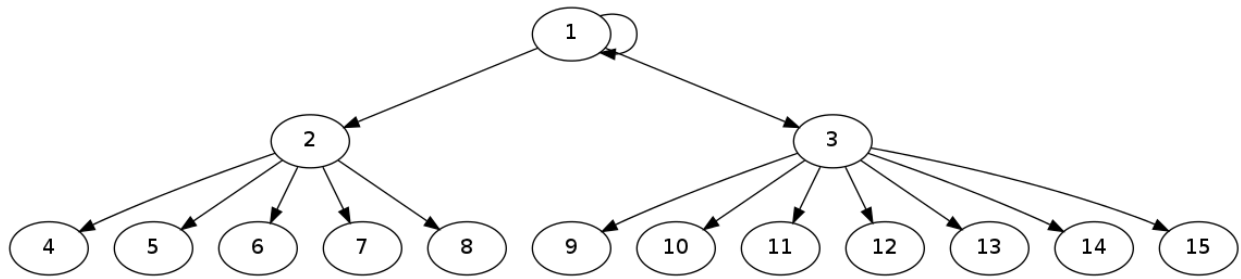
Employee Name	Boss Name	Distance from CEO
Aclyde Brown	Aclyde Brown	0
Elizh Hodgkins	Aclyde Brown	1
Michal Plominski	Aclyde Brown	1
Alfonzo Pilla	Elizh Hodgkins	2
Victor Dawes	Elizh Hodgkins	2
....

“Distance from CEO” is the number of edges between each employee and the CEO.

*In addition to the above output, you must also implement at least **two** of the following features*

1. Clicking on a column name will sort results on that column.
2. Let users page through results, showing 100 results per page.
3. Make a simple search box allowing users to filter results based on “Employee Name”. Only rows matching the filter should be shown.
4. Use a grid plugin (jqGrid, DataTables, etc) to display the data.
5. Add a column showing the total number of subordinates for each employee. For the CEO, the answer is 19998.

To help you visualize the problem, here is a snapshot of the first three levels of the organization chart:



We are looking for:

- Functionality and correctness
- Code design and clarity
- Comments and code documentation
- Error handling
- Proper validation of user inputs.

In addition to this document, you should have received a MySQL dump file containing a populated employees table.