SQL Schema

Table: Employees

+---------------+---------+

| Column Name | Type |

+---------------+---------+

| employee\_id | int |

| employee\_name | varchar |

| manager\_id | int |

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employee\_id is the primary key for this table.

Each row of this table indicates that the employee with ID employee\_id and name employee\_name reports his work to his/her direct manager with manager\_id

The head of the company is the employee with employee\_id = 1.

Write an SQL query to find employee\_id of all employees that directly or indirectly report their work to the head of the company.

The indirect relation between managers will not exceed 3 managers as the company is small.

Return result table in any order without duplicates.

The query result format is in the following example:

Employees table:

+-------------+---------------+------------+

| employee\_id | employee\_name | manager\_id |

+-------------+---------------+------------+

| 1 | Boss | 1 |

| 3 | Alice | 3 |

| 2 | Bob | 1 |

| 4 | Daniel | 2 |

| 7 | Luis | 4 |

| 8 | Jhon | 3 |

| 9 | Angela | 8 |

| 77 | Robert | 1 |

+-------------+---------------+------------+

Result table:

+-------------+

| employee\_id |

+-------------+

| 2 |

| 77 |

| 4 |

| 7 |

+-------------+

The head of the company is the employee with employee\_id 1.

The employees with employee\_id 2 and 77 report their work directly to the head of the company.

The employee with employee\_id 4 report his work indirectly to the head of the company 4 --> 2 --> 1.

The employee with employee\_id 7 report his work indirectly to the head of the company 7 --> 4 --> 2 --> 1.

The employees with employee\_id 3, 8 and 9 don't report their work to head of company directly or indirectly.