

Table: Employees

Column Name	Type
employee_id	int
employee_name	varchar
manager_id	int

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

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 three managers** as the company is small.

Return the result table in **any order**.

The query result format is in the following example.

Example 1:**

Input:

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

Output:

employee_id
2
77

```

| 4          |
| 7          |
+-----+

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Explanation:

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 reports their work indirectly to the head of the company 4.

The employee with employee_id 7 reports their work indirectly to the head of the company 7.

The employees with employee_id 3, 8, and 9 do not report their work to the head of the company.