## Easy

Table: Employees

+----+
| Column Name | Type
+-----+
employee\_id	int
name	varchar
reports\_to	int
age	int

employee id is the column with unique values for this table.

This table contains information about the employees and the id of the manager they report to. Some employees do not report to anyone (reports to is null).

For this problem, we will consider a **manager** an employee who has at least 1 other employee reporting to them.

Write a solution to report the ids and the names of all **managers**, the number of employees who report **directly** to them, and the average age of the reports rounded to the nearest integer.

Return the result table ordered by employee\_id.

The result format is in the following example.

## Example 1:

### **Input:**

Employees table: +-----+

```
| employee_id | name | reports_to | age |
+-----+
| 9 | Hercy | null | 43 |
| 6 | Alice | 9 | 41 |
| 4 | Bob | 9 | 36 |
| 2 | Winston | null | 37 |
+-----+
```

#### Output:

**Explanation:** Herey has 2 people report directly to him, Alice and Bob. Their average age is (41+36)/2 = 38.5, which is 39 after rounding it to the nearest integer.

# Example 2:

## **Input:**

Employees table:

+	++	+
employe	e id   name	reports to   age
1	Michael   null	45
2	Alice   1	38
3	Bob 1	42
4	Charlie   2	34

5	David   2   40			
6	Eve   3   37			
7	Frank   null   50			
8	Grace   null   48			
++				
Output:				
++				
employee id   name   reports count   average age				
1	Michael   2   40			
2	Alice   2     37			
3	Bob   1   37			

```
# Write your MySQL query statement below
SELECT e.reports to as employee id,
   m.name,
   COUNT(*) AS reports count,
   ROUND(AVG(e.age)) AS average age
FROM Employees e
JOIN Employees m
  ON e.reports to=m.employee id
WHERE e.reports to IS NOT NULL
GROUP BY e.reports to
ORDER BY employee_id;
-- STEP 1:
-- SELECT e.reports to as employee id
      m.name,
-- FROM Employees e
-- JOIN Employees m
-- ON e.reports to=m.employee id
-- WHERE e.reports to IS NOT NULL;
-- STEP 2:
-- SELECT e.reports to as employee id
     m.name,
     COUNT(*) AS reports count
-- FROM Employees e
-- JOIN Employees m
-- ON e.reports to=m.employee id
-- WHERE e.reports to IS NOT NULL
-- GROUP BY e.reports to;
-- STEP 3:
-- SELECT e.reports_to as employee_id,
     m.name,
     COUNT(*) AS reports count,
     ROUND(AVG(e.age)) AS average age
-- FROM Employees e
-- JOIN Employees m
-- ON e.reports to=m.employee id
```

-- WHERE e.reports to IS NOT NULL

-- GROUP BY e.reports\_to
-- ORDER BY employee id;