

## Questions

# DATA IN MOTION HUMAN RESOURCES



1. Find the longest ongoing project for each department.
2. Find all employees who are not managers.
3. Find all employees who have been hired after the start of a project in their department.
4. Rank employees within each department based on their hire date (earliest hire gets the highest rank).
5. Find the duration between the hire date of each employee and the hire date of the next employee hired in the same department.

1. Find the longest ongoing project for each department.

The longest ongoing project for each department was the 31<sup>st</sup> of August 2023 for Sales Department.

2. 31<sup>st</sup> of July 2023 for the IT department.

3. The longest ongoing project for HR ended on the 30<sup>th</sup> of June 2023.

department_name	longest_ongoing_project
Sales	2023-08-31
IT	2023-07-31
HR	2023-06-30

2. Find all employees who are not managers.

Bob Miller, Charlie Brown  
and Dave Davis are  
employees who are not  
Managers.

name	job_title
Bob Miller	HR Associate
Charlie Brown	IT Associate
Dave Davis	Sales Associate

3. Find all employees who have been hired after the start of a project in their department.

Dave Davis was the Only Employee employed after the start\_date of a project in his department (sales).

hire\_date= 15<sup>th</sup> March 2023

Start\_date = 01<sup>st</sup> March 2023

[illegible]

4. Rank employees within each department based on their hire date (earliest hire gets the highest rank).

John Doe was hired first in the HR dept.

Jane Smith was hired first in the IT dept.

Alice Johnson was hired First inn the sales dept.

rank_order	employees_name	department_name
1	Bob Miller	HR
2	John Doe	HR
1	Charlie Brown	IT
2	Jane Smith	IT
1	Dave Davis	Sales
2	Alice Johnson	Sales

5. Find the duration between the hire date of each employee and the hire date of the next employee hired in the same department.

John Doe , Jane Smith and Alice Johnson were the first employees to be employed in their respective departments.

John Doe is also the oldest Employee (2years, 2months and 7days) to be employed.

employees_name	department_name	hire_date	next_employee_hire_date
John Doe	HR	2018-06-20	2 years 2 mons 7 days
Bob Miller	HR	2021-04-30	NULL
Jane Smith	IT	2019-07-15	9 mons 6 days
Charlie Brown	IT	2022-10-01	NULL
Alice Johnson	Sales	2020-01-10	3 mons 23 days
Dave Davis	Sales	2023-03-15	NULL