

3057. Employees Project Allocation Premium

Hard 🔒 Topics

SQL Schema > Pandas Schema >

Table: Project

Column Name	Type
project_id	int
employee_id	int
workload	int

employee_id is the primary key (column with unique values) of this table.
employee_id is a foreign key (reference column) to Employee table.
Each row of this table indicates that the employee with employee_id is working on the project with project_id and the workload of the project.

Table: Employees

Column Name	Type
employee_id	int
name	varchar
team	varchar

employee_id is the primary key (column with unique values) of this table.
Each row of this table contains information about one employee.

Write a solution to find the **employees** who are allocated to projects with a **workload that exceeds the average** workload of all employees for **their respective teams**

Return the result table ordered by employee_id, project_id in **ascending** order.

The result format is in the following example.

Example 1:

Input:
Project table:

project_id	employee_id	workload
1	1	45
1	2	90
2	3	12
2	4	68

Employees table:

employee_id	name	team
1	Khaled	A
2	Ali	B
3	John	B
4	Doe	A

Output:

employee_id	project_id	employee_name	project_workload
2	1	Ali	90
4	2	Doe	68

Explanation:

- Employee with ID 1 has a project workload of 45 and belongs to Team A, where the average workload is 56.50. Since his project workload does not exceed the team's average workload, he will be excluded.
- Employee with ID 2 has a project workload of 90 and belongs to Team B, where the average workload is 51.00. Since his project workload does exceed the team's average workload, he will be included.
- Employee with ID 3 has a project workload of 12 and belongs to Team B, where the average workload is 51.00. Since his project workload does not exceed the team's average workload, he will be excluded.
- Employee with ID 4 has a project workload of 68 and belongs to Team A, where the average workload is 56.50. Since his project workload does exceed the team's average workload, he will be included.

Result table ordered by employee_id, project_id in ascending order.

Seen this question in a real interview before? 1/5

Yes No

Accepted 1.2K | Submissions 1.8K | Acceptance Rate 68.3%

Topics

Database

Discussion (2)