EMPLOYEE PERFORMANCE ANALYSIS USING MySQL

```
-- to create a database

CREATE DATABASE employee;


-- to use a database

USE employee;


-- to calculate the average tenure of employers by department

CREATE VIEW average_tenure AS

SELECT Department, ROUND(AVG(Years),1) AS avg_tenure

FROM employees

GROUP BY Department

ORDER BY avg_tenure DESC;


SELECT* FROM  average_tenure;
```

Result Grid | Filter Rows: | Exp

Department	avg_tenure
Environmental Health/Safety	6.4
Sales	5.8
Creative	5.8
Professional Training Group	5.7
Manufacturing Admin	5.6
Human Resources	5.6
Research Center	5.6
Product Development	5.5
Marketing	5.5
Quality Control	5.4
Manufacturing	5.4
Account Management	5.4
Green Building	5.4
Facilities/Engineering	5.4
IT	5.3
Training	5.3
Quality Assurance	5.3
Environmental Compliance	5.2
Research/Development	5.2
Major Mfg Projects	5.1

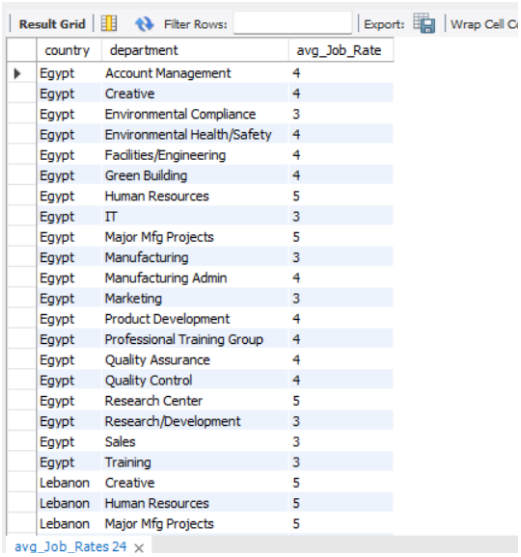
-- to find the average, Minimum and Maximum annual Salary for each department

```
CREATE VIEW avg_Min_Max_Annual_Salary AS

SELECT department, ROUND(AVG(annual_salary),1) AS average_salary , MIN(annual_salary) AS minimum_salary, MAX(annual_salary) AS maximum_salary

FROM employees

GROUP BY department;


SELECT* FROM avg_Min_Max_Annual_Salary;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

department	average_salary	minimum_salary	maximum_salary
Quality Control	24647.5	8676	41316
Major Mfg Projects	26908.5	11964	41352
Manufacturing	24055.6	8628	40932
Product Development	23576.5	8928	40044
Sales	23477.4	9696	39732
Account Management	23246.0	8436	41400
Green Building	24994.5	1162 11628	39300
IT	25374.3	8532	39096
Facilities/Engineering	27423.3	9864	40848
Marketing	24733.5	8484	40920
Manufacturing Admin	23052.0	15480	28332
Training	28341.0	9744	40008
Quality Assurance	25007.1	10080	41040
Professional Training...	24485.1	9960	39384
Environmental Compl...	30097.8	13932	40248
Creative	24135.8	11316	40656
Research/Development	25183.2	9996	37560
Environmental Healt...	24005.3	17160	37440
Human Resources	30670.3	22572	37116
Research Center	22644.0	13152	36816

```
-- to find average job rates by department and country

CREATE VIEW avg_Job_Rates AS

SELECT country, department, ROUND(AVG(job_rate),0) AS avg_Job_Rate

FROM employees

GROUP BY country , department

ORDER BY country;


SELECT*FROM avg_Job_Rates;
```

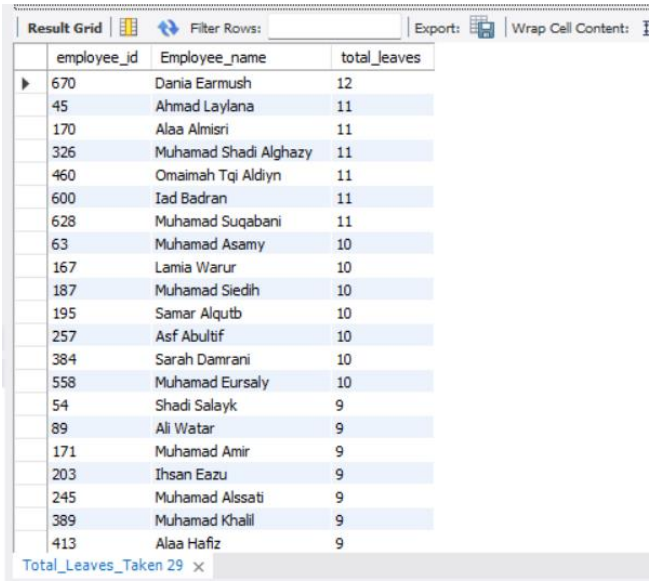


country	department	avg_Job_Rate
Egypt	Account Management	4
Egypt	Creative	4
Egypt	Environmental Compliance	3
Egypt	Environmental Health/Safety	4
Egypt	Facilities/Engineering	4
Egypt	Green Building	4
Egypt	Human Resources	5
Egypt	IT	3
Egypt	Major Mfg Projects	5
Egypt	Manufacturing	3
Egypt	Manufacturing Admin	4
Egypt	Marketing	3
Egypt	Product Development	4
Egypt	Professional Training Group	4
Egypt	Quality Assurance	4
Egypt	Quality Control	4
Egypt	Research Center	5
Egypt	Research/Development	3
Egypt	Sales	3
Egypt	Training	3
Lebanon	Creative	5
Lebanon	Human Resources	5
Lebanon	Major Mfg Projects	5

avg_Job_Rates 24

-- to find most leave taking employees

```
CREATE VIEW Total_Leaves_Taken AS

SELECT employee_id,full_name as employee_name, (unpaid_leaves+sick_leaves) as total_leaves

FROM employees

ORDER BY total_leaves DESC;


SELECT* FROM Total_Leaves_Taken;
```



employee_id	Employee_name	total_leaves
670	Dania Earmush	12
45	Ahmad Laylana	11
170	Alaa Almisri	11
326	Muhamad Shadi Alghazy	11
460	Omaimah Tqi Aldiyn	11
600	Iad Badran	11
628	Muhamad Suqabani	11
63	Muhamad Asamy	10
167	Lamia Warur	10
187	Muhamad Siedih	10
195	Samar Alqutb	10
257	Asf Abultif	10
384	Sarah Damrani	10
558	Muhamad Eursaly	10
54	Shadi Salayk	9
89	Ali Watar	9
171	Muhamad Amir	9
203	Ihsan Eazu	9
245	Muhamad Alssati	9
389	Muhamad Khalil	9
413	Alaa Hafiz	9

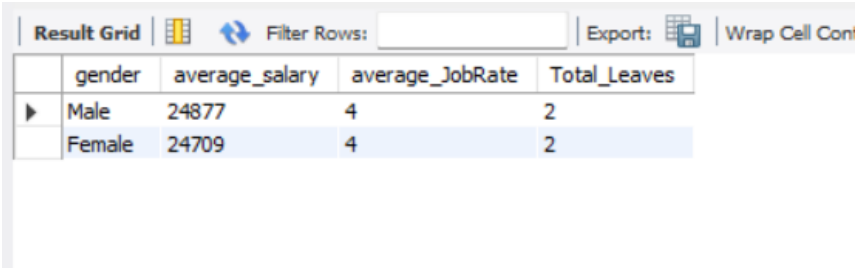
Total_Leaves_Taken 29

```
-- to find the to 5 employees with maximum overtime

CREATE VIEW top_overtime_employees AS

SELECT employee_id, full_name as employee_name, overtime_hours

FROM employees

ORDER BY overtime_hours DESC

LIMIT 5;


SELECT *FROM top_overtime_employees;
```

employee_id	employee_name	overtime_hours
2	Omar Hishan	198
3	Ailya Sharaf	192
1	Ghadir Hmshw	183
10	Muhamad Alrifaei	153
18	Farahad Husayn	153

top_overtime_employees 30 ×

```
-- to find average salary, job rate and leaves taken by gender

CREATE VIEW avgsalary_jobrate_LeavesTaken AS

SELECT gender, ROUND(AVG(annual_salary),0) AS average_salary, ROUND(AVG(job_rate),0) AS
average_JobRate, ROUND(AVG(sick_leaves + unpaid_leaves),0)AS Total_Leaves

FROM employees

GROUP BY gender;

SELECT *FROM avgsalary_jobrate_LeavesTaken;
```



gender	average_salary	average_JobRate	Total_Leaves
Male	24877	4	2
Female	24709	4	2