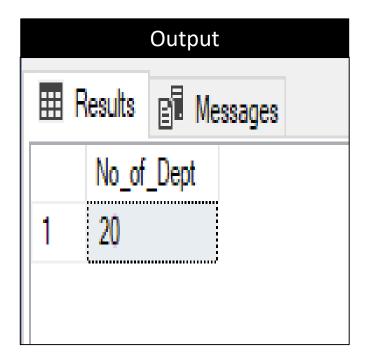


```
--1.How many departments are there in organization ?

| Select | Count (Distinct (Department)) | AS No_of_Dept |
| FROM [Employees' Data].[dbo].[Employees$];
```



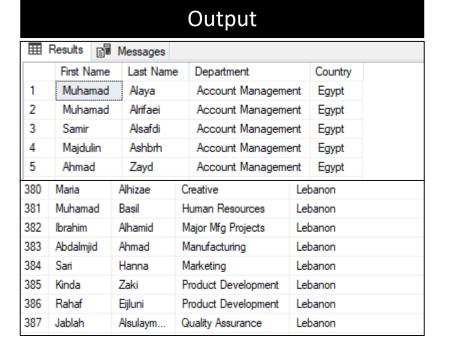
> In the department, there are Unique 20 Departs out of 689

```
--2.We need to find County wise segregation which employees work in which departments

SELECT
[First Name],
[Last Name],
Department,
Country
FROM [Employees' Data].[dbo].[Employees$]

WHERE Country IN (
SELECT DISTINCT Country
FROM [Employees' Data].[dbo].[Employees$])

ORDER BY Country, Department;
```



As per checking data, we found majority of employees are from Egypt, with a significant concentration in the Account Management department, followed by Lebanon and Saudi Arabia.

```
--3.Which countries have the highest employee count ?

SELECT

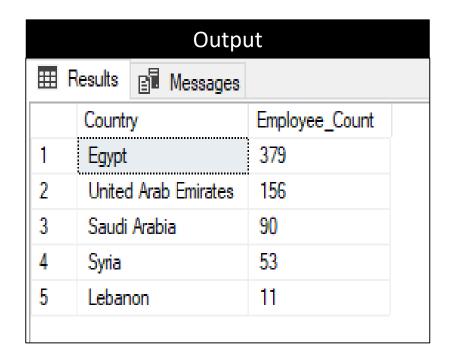
Country,

COUNT(*) AS Employee_Count

FROM[Employees' Data].[dbo].[Employees$]

GROUP BY Country

ORDER BY Employee_Count DESC;
```



In, Egypt, United Arab Emirates, Saudi Arabia are top 3 places where employees are located.

Output			
⊞ Results			
	Center	Employee_Percent	
1	Main	36	
2	North	30	
3	West	17	
4	South	9	
5	East	6	

➤ Centers 'Main' and 'North' together account for 66% of the total employee distribution across all centers, with the remaining centers contributing a smaller proportion.

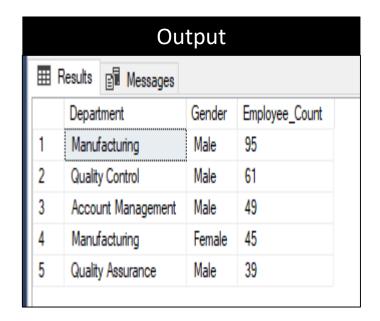
```
--5. Which departments have the most employees by gender? (Top 5 departments)

SELECT
Top 5

Department,
Gender,
COUNT(*) AS Employee_Count
FROM [Employees' Data].[dbo].[Employees$]

GROUP BY Department, Gender

ORDER BY Employee_Count DESC;
```



In the top five departments within the manufacturing sector, including Manufacturing, Quality Control, Account Management, and Quality Assurance, there is a higher representation of males in leadership roles compared to female

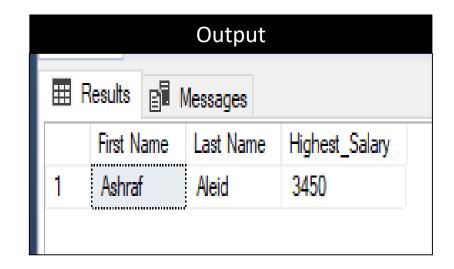
```
Question & Syntax

--6.Which employee earns the highest monthly salary

Select
Top 1
[First Name],
[Last Name],
[Monthly Salary] AS Highest_Salary

FROM [Employees' Data].[dbo].[Employees$]

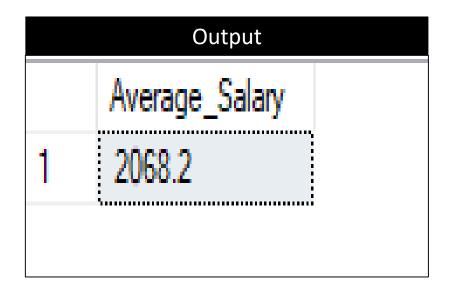
ORDER By Highest_Salary Desc;
```



> Ashraf Aleid is the highest-paid employee within the organization.

```
--7.What is the average annual salary of employees?

=Select
ROUND (AVG ([Monthly Salary]) ,2) AS Average_Salary
FROM [Employees' Data].[dbo].[Employees$]
```

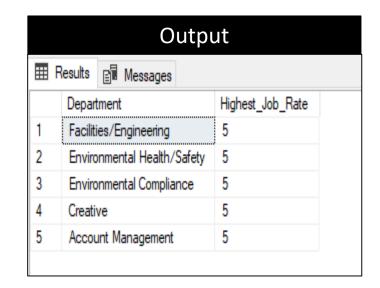


The Average Salary is withdrawn within the organization is 2,062.

```
Question & Syntax

--8.Which top 5 department has the highest job rate?

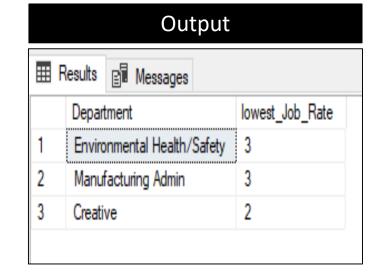
Select
Top 5
Department,
MAX ([Job Rate]) As Highest_Job_Rate
FROM [Employees' Data].[dbo].[Employees$]
Group by Department
ORDER by Highest_Job_Rate Desc;
```



The Top 5 Department are Facilities/Engineering, Environmental Health/Safety, Environmental Compliance, Creative, Account Management which have 5 out 5 rating.

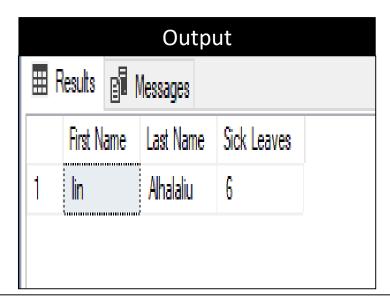
```
--9.Which top 3 department has the lowest job rate?

Select
Top 3
Department,
MIN ([Job Rate]) As lowest_Job_Rate
FROM [Employees' Data].[dbo].[Employees$]
Group by Department
ORDER by lowest_Job_Rate Desc;
```



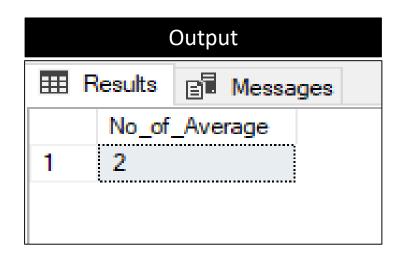
➤ The Top 3 Department are Environmental Health/Safety, Manufacturing Admin, Creative which have 3 out 5 rating.

Question & Syntax



Lin Alhalaliu, is a employee who take highest number of sick leave.

--11.What is the average number of sick leaves taken by employees? SELECT ROUND (AVG ([Sick Leaves]),0) As No_of_Average FROM [Employees' Data].[dbo].[Employees\$]



> The Average Number of Sick leave by employees is 2.

Question & Syntax

```
--12.Which employee has taken the most unpaid leaves?

SELECT

Top 1

[First Name],

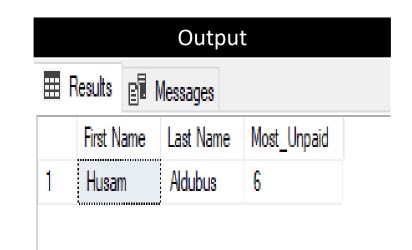
[Last Name],

MAX ([Unpaid Leaves]) AS Most_Unpaid

FROM [Employees' Data].[dbo].[Employees$]

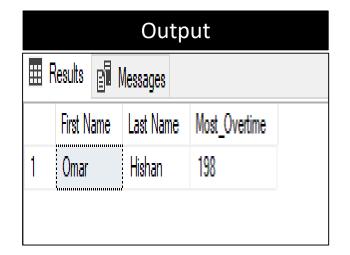
GROUP BY [First Name],[Last Name]

ORDER BY Most_Unpaid Desc;
```



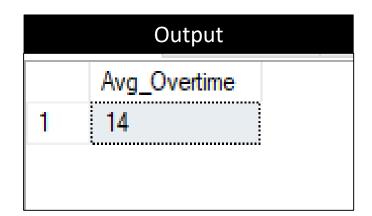
> The Most Unpaid Leave was taken by Husam Aldubus.

Question & Syntax --13.Which employee has logged the most overtime hours? Select Top 1 [First Name], [Last Name], [MAX ([Overtime Hours]) AS Most_Overtime FROM [Employees' Data].[dbo].[Employees\$] GROUP BY [First Name],[Last Name] ORDER BY Most_Overtime Desc;



> The Most Overtime was taken by Omar Hishan.

--14.What is the average overtime logged by employees? |Select ROUND (AVG ([Overtime Hours]),0) AS Avg_Overtime |FROM [Employees' Data].[dbo].[Employees\$];

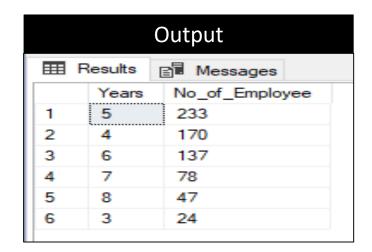


> The average overtime hours taken by employees is 14 hours...

```
Question & Syntax

--15.How many employees have been working with the organization since each year?

□ Select
Years,
Count (*) As No_of_Employee
FROM [Employees' Data].[dbo].[Employees$]
Group By Years
ORDER By No_of_Employee Desc;
```



The majority of employees have been with the organization for 5 years, followed by those with 4 to 6 years of service. Additionally, some employees have been with the organization for 8 years...