

--Q1

```
SELECT E.first_name , E.last_name ,  
       E.department_id , D.department_name  
FROM OEHR_EMPLOYEES E  
LEFT JOIN OEHR_DEPARTMENTS D  
ON E.department_id = D.department_id
```

100 %

Results Messages

	first_name	last_name	department_id	department_name
1	Steven	King	90	Executive
2	Neena	Kochhar	90	Executive
3	Lex	De Haan	90	Executive
4	Alexander	Hunold	60	IT
5	Bruce	Ernst	60	IT
6	David	Austin	60	IT
7	Valli	Pataballa	60	IT
8	Diana	Lorentz	60	IT
9	Nancy	Greenberg	100	Finance
10	Daniel	Faviet	100	Finance
11	John	Chen	100	Finance
12	Ismael	Sciarra	100	Finance
13	Jose Manuel	Urman	100	Finance
14	Luis	Popp	100	Finance
15	Den	Raphaely	30	Purchasing
16	Alexander	Khoo	30	Purchasing
17	Shelli	Baer	30	Purchasing

Query executed successfully.

DESKTOP-GL1C7BC\SQLEXPRESS0... DESKTOP-GL1C7BC\Dell (60) | HR_Data | 00:00:00 | 107 rows

--Q2

```
SELECT E.first_name , E.last_name ,  
       E.department_id , D.department_name  
FROM OEHR_EMPLOYEES E  
JOIN OEHR_DEPARTMENTS D  
ON E.department_id = D.department_id  
AND E.department_id IN (80 , 40)  
ORDER BY E.last_name;
```

100 %

Results Messages

	first_name	last_name	department_id	department_name
1	Ellen	Abel	80	Sales
2	Sundar	Ande	80	Sales
3	Amit	Banda	80	Sales
4	Elizabeth	Bates	80	Sales
5	David	Bernstein	80	Sales
6	Harrison	Bloom	80	Sales
7	Gerald	Cambrault	80	Sales
8	Nanette	Cambrault	80	Sales
9	Louise	Doran	80	Sales
10	Alberto	Errazuriz	80	Sales
11	Taylor	Fox	80	Sales
12	Danielle	Greene	80	Sales
13	Peter	Hall	80	Sales
14	Alyssa	Hutton	80	Sales
15	Charles	Johnson	80	Sales
16	Janette	King	80	Sales
17	Sundar	Kumar	80	Sales

Query executed successfully.

DESKTOP-GL1C7BC\SQLEXPRESS0... DESKTOP-GL1C7BC\Dell (60) | HR_Data | 00:00:00 | 35 rows

```
--Q3
SELECT E.first_name,E.last_name,
       D.department_name, D.Department_ID
FROM   OEHR_EMPLOYEES E
       LEFT JOIN OEHR_DEPARTMENTS D
         ON E.department_id = D.department_id
WHERE  E.first_name LIKE '%z%';
```

100 %

Results Messages

	first_name	last_name	department_name	Department_ID
1	Mozhe	Atkinson	Shipping	50
2	Hazel	Philtanker	Shipping	50
3	Elizabeth	Bates	Sales	80

Query executed successfully. DESKTOP-GL1C7BC\SQLEXPRESS0... DESKTOP-GL1C7BC\Dell (60) HR_Data 00:00:00 3 rows

```
--Q4
SELECT E.first_name, E.last_name, D.department_id, D.department_name
FROM   OEHR_DEPARTMENTS D
       LEFT JOIN OEHR_EMPLOYEES E
         ON D.department_id = E.department_id;
```

100 %

Results Messages

	first_name	last_name	department_id	department_name
1	Jennifer	Whalen	10	Administration
2	Michael	Hartstein	20	Marketing
3	Pat	Fay	20	Marketing
4	Den	Raphaely	30	Purchasing
5	Alexander	Khoo	30	Purchasing
6	Shelli	Baida	30	Purchasing
7	Sigal	Tobias	30	Purchasing
8	Guy	Himuro	30	Purchasing
9	Karen	Colmenares	30	Purchasing
10	Susan	Mavris	40	Human Resources
11	Matthew	Weiss	50	Shipping
12	Adam	Fripp	50	Shipping
13	Payam	Kaufling	50	Shipping
14	Shanta	Vollman	50	Shipping
15	Kevin	Mourgos	50	Shipping
16	Julia	Nayer	50	Shipping
17	Jane	Mills	50	Shipping

Query executed successfully. DESKTOP-GL1C7BC\SQLEXPRESS0... DESKTOP-GL1C7BC\Dell (60) HR_Data 00:00:00 122 rows

--Q5

```
SELECT D.department_name , L.city , L.state_province
FROM   OEHR_DEPARTMENTS D
FULL OUTER JOIN OEHR_LOCATIONS L
      ON D.location_id = L.location_id;
```

100 %

Results Messages

	department_name	city	state_province
1	Administration	Seattle	Washington
2	Marketing	Toronto	Ontario
3	Purchasing	Seattle	Washington
4	Human Resources	London	NULL
5	Shipping	South San Francisco	California
6	IT	Southlake	Texas
7	Public Relations	Munich	Bavaria
8	Sales	Oxford	Oxford
9	Executive	Seattle	Washington
10	Finance	Seattle	Washington
11	Accounting	Seattle	Washington
12	Treasury	Seattle	Washington
13	Corporate Tax	Seattle	Washington
14	Control And Credit	Seattle	Washington
15	Shareholder Services	Seattle	Washington
16	Benefits	Seattle	Washington
17	Manufacturing	Seattle	Washington

Query executed successfully.

DESKTOP-GL1C7BC\SQLEXPRESS0... DESKTOP-GL1C7BC\Dell (60) HR_Data 00:00:00 43 rows

--Q6

```
SELECT E.first_name, E.last_name, E.department_id, D.department_name
FROM   OEHR_EMPLOYEES E
LEFT OUTER JOIN OEHR_DEPARTMENTS D
      ON E.department_id = D.department_id;
```

100 %




Results Messages

	first_name	last_name	department_id	department_name
1	Steven	King	90	Executive
2	Neena	Kochhar	90	Executive
3	Lex	De Haan	90	Executive
4	Alexander	Hunold	60	IT
5	Bruce	Ernst	60	IT
6	David	Austin	60	IT
7	Valli	Pataballa	60	IT
8	Diana	Lorentz	60	IT
9	Nancy	Greenberg	100	Finance
10	Daniel	Faviet	100	Finance
11	John	Chen	100	Finance
12	Ismael	Sciarra	100	Finance
13	Jose Manuel	Urman	100	Finance
14	Luis	Popp	100	Finance
15	Den	Raphaely	30	Purchasing
16	Alexander	Khoo	30	Purchasing
17	Shelli	Baer	30	Purchasing

Query executed successfully.

DESKTOP-GL1C7BC\SQLEXPRESS0... DESKTOP-GL1C7BC\Dell (60) HR_Data 00:00:00 107 rows




Q7

Result Grid   Filter Rows: Export: 

DEPARTMENT_NAME	Avg_Sal	Total_Employees	
Executive	19333.3333	3	
IT	5760.0000	5	
Finance	8600.0000	6	
Purchasing	4150.0000	6	
Shipping	3475.5556	45	
Sales	8955.8824	34	
Administration	4400.0000	1	
Marketing	9500.0000	2	
Human Resources	6500.0000	1	
Public Relations	10000.0000	1	
Accounting	10150.0000	2	

Q8

85:114

Result Grid   Filter Rows: Export: 

DEPARTMENT_NAME	FIRST_NAME	LAST_NAME	
Executive	Steven	King	
IT	Alexander	Hunold	
Finance	Nancy	Greenberg	
Purchasing	Den	Raphaely	
Shipping	Adam	Fripp	
Sales	John	Russell	
Administration	Jennifer	Whalen	
Marketing	Michael	Hartstein	
Human Resources	Susan	Mavris	
Public Relations	Hermann	Baer	
Accounting	Shelley	Higgins	

--Q9

```
SELECT a.department_name, a.department_id, count(b.employee_id)
FROM OEHR_DEPARTMENTS a
INNER join OEHR_EMPLOYEES b
on a.department_id = b.department_id
where b.salary > 10000
GROUP BY DEPARTMENT_NAME,a.DEPARTMENT_ID
```

100 %

Results Messages

	department_name	department_id	(No column name)
1	Marketing	20	1
2	Purchasing	30	1
3	Sales	80	8
4	Executive	90	3
5	Finance	100	1
6	Accounting	110	1

Query executed successfully.

DESKTOP-GL1C7BC\SQLEXPRESS0... | DESKTOP-GL1C7BC\Dell (60) | HR_Data | 00:00:00 | 6 rows

--Q10

```
SELECT Salary_Category,
COUNT(*) AS Number_of_Employees
FROM (SELECT
CASE
WHEN SALARY >= 20000 THEN 'High'
WHEN SALARY >= 10000 AND SALARY < 20000 THEN 'Medium'
ELSE 'Low'
END AS Salary_Category
FROM OEHR_EMPLOYEES) AS SalaryCategories
GROUP BY Salary_Category
```

100 %

Results Messages

	Salary_Category	Number_of_Employees
1	High	1
2	Low	88
3	Medium	18

Query executed successfully.

DESKTOP-GL1C7BC\SQLEXPRESS0... | DESKTOP-GL1C7BC\Dell (60) | HR_Data | 00:00:00 | 3 rows