

EXPRIMENT - 4**SQL query based on Joins I**

1. **Write a query in SQL to display the first name, last name, department number, and department name for each employee**

```
SELECT e.first_name, e.last_name, e.department_id, d.department_name
FROM employees e
JOIN departments d ON e.department_id = d.department_id;
```

FIRST_NAME	LAST_NAME	DEPARTMENT_ID	DEPARTMENT_NAME
Steven	King	90	Executive
Neena	Kochhar	90	Executive
Lex	De Haan	90	Executive
Alexander	Hunold	60	IT
Bruce	Ernst	60	IT
David	Austin	60	IT
Valli	Pataballa	60	IT
Diana	Lorentz	60	IT
Nancy	Greenberg	100	Finance
Daniel	Faviet	100	Finance

Jennifer	Whalen	10	Administration
Michael	Hartstein	20	Marketing
Pat	Fay	20	Marketing
Susan	Mavris	40	Human Resources
Hermann	Baer	70	Public Relations
Shelley	Higgins	110	Accounting
William	Gietz	110	Accounting

106 rows returned in 0.03 seconds

[CSV Export](#)

2. **Write a query in SQL to display the first and last name, department, city, and state province for each employee.**

```
SELECT e.first_name, e.last_name, d.department_name AS department, l.city,
l.state_province
FROM employees e
JOIN departments d ON e.department_id = d.department_id
JOIN locations l ON d.location_id = l.location_id;
```

FIRST_NAME	LAST_NAME	DEPARTMENT	CITY	STATE_PROVINCE
Steven	King	Executive	Seattle	Washington
Neena	Kochhar	Executive	Seattle	Washington
Lex	De Haan	Executive	Seattle	Washington
Alexander	Hunold	IT	Southlake	Texas
Bruce	Ernst	IT	Southlake	Texas
Pat	Fay	Marketing	Toronto	Ontario
Susan	Mavris	Human Resources	London	-
Hermann	Baer	Public Relations	Munich	Bavaria
Shelley	Higgins	Accounting	Seattle	Washington
William	Gietz	Accounting	Seattle	Washington

106 rows returned in 0.04 seconds

[CSV Export](#)

3. **Write a query in SQL to display the first name, last name, salary, and job grade for all employees.**

```
SELECT e.first_name, e.last_name, e.salary,
j.job_ID
FROM employees e
JOIN jobs j ON e.job_id = j.job_id;
```

FIRST_NAME	LAST_NAME	SALARY	JOB_ID
Steven	King	24000	AD_PRES
Neena	Kochhar	17000	AD_VP
Lex	De Haan	17000	AD_VP
Alexander	Hunold	9000	IT_PROG
Bruce	Ernst	6000	IT_PROG

Pat	Fay	6000	MK_REP
Susan	Mavris	6500	HR_REP
Hermann	Baer	10000	PR_REP
Shelley	Higgins	12000	AC_MGR
William	Gietz	8300	AC_ACCOUNT

107 rows returned in 0.02 seconds

[CSV Export](#)

4. Write a query in SQL to display the first name, last name, department number and department name, for all employees for departments 80 or 40.

```
SELECT e.first_name, e.last_name, e.department_id, d.department_name
FROM employees e
JOIN departments d ON e.department_id = d.department_id
WHERE e.department_id IN (40, 80);
```

FIRST_NAME	LAST_NAME	DEPARTMENT_ID	DEPARTMENT_NAME
Ellen	Abel	80	Sales
Sundar	Ande	80	Sales
Amit	Banda	80	Sales
Elizabeth	Bates	80	Sales
David	Bernstein	80	Sales
Jonathon	Taylor	80	Sales
Peter	Tucker	80	Sales
Oliver	Tuvault	80	Sales
Clara	Vishney	80	Sales
Eleni	Zlotkey	80	Sales

35 rows returned in 0.08 seconds

[CSV Export](#)

5. Write a query in SQL to display those employees who contain a letter z to their first name and also display their last name, department, city, and state province.

```
SELECT e.first_name, e.last_name, d.department_name AS department, l.city,
l.state_province
FROM employees e
JOIN departments d ON e.department_id = d.department_id
JOIN locations l ON d.location_id = l.location_id
WHERE e.first_name LIKE '%z%';
```

FIRST_NAME	LAST_NAME	DEPARTMENT	CITY	STATE_PROVINCE
Mozhe	Atkinson	Shipping	South San Francisco	California
Hazel	Philtanker	Shipping	South San Francisco	California
Elizabeth	Bates	Sales	Oxford	Oxford

3 rows returned in 0.01 seconds

[CSV Export](#)