**JOIN OPERATION**

**Q38: Write an INNER JOIN query to list employee names and their corresponding**

**department names.**

SQL> SELECT e.emp\_name, d.dept\_name FROM emp72 e INNER JOIN dept72 d ON e.dept\_id = d.dept\_id;

EMP\_NAME DEPT\_NAME

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Megha HR

Merin Sales

Sona Marketing

Eza Marketing

Sara Marketing

Powel Marketing

Sia Finance

Derick IT

8 rows selected.

**Q39: Use a LEFT JOIN to list all employees and their department names, including those**

**who do not belong to any department.**

SQL> insert into emp72 values(12,'Emily',150000,To\_date('15-05-2005','DD-MM-YYYY'),NULL,'em@gmail.com');

1 row created.

Commit complete.

SQL> insert into emp72 values(10,'Ricardo',135000,To\_date('10-01-2007','DD-MM-YYYY'),NULL,'rick@gmail.com');

1 row created.

SQL> select e.emp\_name,d.dept\_name from emp72 e LEFT JOIN dept72 d ON e.dept\_id=d.dept\_id;

EMP\_NAME DEPT\_NAME

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Megha HR

Merin Sales

Sona Marketing

Powel Marketing

Sara Marketing

Eza Marketing

Sia Finance

Derick IT

Emily

Ricardo

10 rows selected.

**Q40: Write a RIGHT JOIN to list all departments and their corresponding employees,**

**including departments with no employees.**

SQL> SQL> select e.emp\_name,d.dept\_name from emp72 e RIGHT JOIN dept72 d ON e.dept\_id=d.dept\_id;

EMP\_NAME DEPT\_NAME

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Megha HR

Merin Sales

Sona Marketing

Eza Marketing

Powel MaSP2-0734: rketing

Sara Marketing

Sia Finance

Derick IT

DIGITAL

Management

Marketing

11 rows selected.

**Q41: Use an OUTER JOIN to list all employees and their department names, showing NULL**

**if there is no corresponding department.**

SQL> SELECT e.emp\_name, d.dept\_name FROM emp72 e LEFT OUTER JOIN dept72 d ON e.dept\_id = d.dept\_id;

EMP\_NAME DEPT\_NAME

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Megha HR

Merin Sales

Sona Marketing

Powel Marketing

Sara Marketing

Eza Marketing

Sia Finance

Derick IT

Emily

Ricardo

10 rows selected.

**Set Operations Questions**

**Q48: Use UNION to combine the lists of employees who joined before 2010 and after**

**2018.**

SQL> SELECT emp\_id, emp\_name, emp\_join\_date FROM emp72 WHERE emp\_join\_date < TO\_DATE('01-01-2010', 'DD-MM-YYYY')UNION SELECT emp\_id, emp\_name, emp\_join\_date FROM emp72 WHERE emp\_join\_date > TO\_DATE('01-01-2018', 'DD-MM-YYYY');

EMP\_ID EMP\_NAME EMP\_JOIN\_

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2 Merin 20-MAY-19

3 Sona 04-NOV-24

4 Sia 13-OCT-22

7 Powel 02-NOV-20

8 Eza 13-OCT-22

9 Sara 13-OCT-22

10 Ricardo 10-JAN-07

12 Emily 15-MAY-05

8 rows selected.

**Q49: Use INTERSECT to find employees who get salary in the range 40k-50k.**

SQL> SELECT emp\_name, emp\_sal FROM emp72 WHERE emp\_sal <= 40000 INTERSECT SELECT emp\_name, emp\_sal FROM emp72 WHERE emp\_sal <= 50000;

EMP\_NAME EMP\_SAL

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Eza 25000

Megha 38500

Sona 40000

**Q50: Use EXCEPT(-) to list out the departments not in Ernakulam.**

SQL> select dept\_name from dept72 MINUS select dept\_name from dept72 where dept\_location='Ernakulam';

DEPT\_NAME

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DIGITAL

Finance

HR

Management

Marketing

Sales

6 rows selected.