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Section: 06

DML 3 - SQL 4

Exercise 1.

Part 1.

1. SELECT \*

FROM sales\_representatives NATURAL JOIN sales\_rep\_addresses;

2. SELECT id, first\_name, last\_name, address\_line1, address\_line2, city, email, phone\_number

FROM sales\_representatives NATURAL JOIN sales\_rep\_addresses;

Part 2.

1. SELECT id, first\_name, last\_name, address\_line1, address\_line2, city, email, phone\_number

FROM sales\_representatives JOIN sales\_rep\_addresses

USING (id);

2. SELECT \*

FROM items JOIN price\_history

USING (item\_number);

### Part 3.

```
1. SELECT c.ctr_number, c.first_name, c.last_name, c.phone_number, c.email, s.id, s.first_name, s.last_name, s.email
   FROM customers c JOIN sales_representatives s
   ON c.sre_id = s.id;
```

### Part 4.

```
1. SELECT c.ctr_number, c.first_name, c.last_name, c.phone_number, c.email, s.id, s.first_name, s.last_name,
   s.email, t.name AS "Team Name"
   FROM customers c JOIN sales_representatives s
   ON c.sre_id = s.id
   JOIN teams t
   ON c.tem_id = t.id;
```

### Part 5.

```
1. SELECT c.ctr_number, c.first_name, c.last_name, c.phone_number, c.email, s.id, s.first_name, s.last_name,
   s.email, t.name AS "Team Name"
   FROM customers c JOIN sales_representatives s
   ON c.sre_id = s.id
   JOIN teams t
   ON c.tem_id = t.id
   WHERE ctr_number = 'c00001';
```

### Part 6.

1. SELECT 'The cost of the ' || i.name || ' on this day was ' || p.price AS "Item Details"  
FROM items i JOIN price\_history p  
ON ('12-Dec-2016' BETWEEN p.start\_date AND p.end\_date) AND i.item\_number = 'im01101045';

### Exercise 2.

#### Part 1.

1. SELECT r.first\_name || ' ' || r.last\_name AS "Rep",  
s.first\_name || ' ' || s.last\_name AS "Supervisor"  
FROM sales\_representatives r join sales\_representatives s  
ON r.supervisor\_id = s.id;

#### Part 2

1. SELECT\*  
FROM teams + RIGHT OUTER JOIN customers c  
ON t.id = c.tem\_id;

#### Part 3.

1. SELECT\*  
FROM customers CROSS JOIN sales\_representatives;