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Subject : DATABASE (LAB4)

* SQL4 - DML 3 (Exercise 1)

Part 1

1. SELECT *
   FROM sales_representatives NATURAL JOIN sales_rep_addresses ;

2. SELECT id, first_name, last_name, address_line_1, address_line_2, city, email,
          phone_number
   FROM sales_representatives NATURAL JOIN sales_rep_addresses ;

Part 2

1. SELECT id, first_name, last_name, address_line_1, address_line_2, city,
          email, phone_number
   FROM sales_representatives JOIN sales_rep_addresses
   USING (id);

2. SELECT *
   FROM items JOIN price_history
   USING (itm_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
   FROM customers c JOIN sales_representatives s
   ON c.sre_id = s.id
   JOIN teams t
   ON c.tem_id = t.id;

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Part 5

1.
```sql
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
FROM customers c  JOIN sales_representatives s
ON c.sre_id = s.id
JOIN teams t
ON c.tem_id = t.id
WHERE c.ctr_number = 'c00001';
```

Part 6

1.
```sql
SELECT 'The cost of the ' || i.name || ' on this day ' || p.price
        AS "Cost"
FROM items i  JOIN price_history p
ON (i.itm_number = p.itm_number)
JOIN inventory_list l
ON (l.id = i.ilt_id)
WHERE i.itm_number = 'im01101045' AND
       p.start_date < '12-DEC-16' AND p.end_date > '12-DEC-16';
```

※ SQL 4 - DML 3 (Exercise 2)

Part 1

1.
```sql
SELECT rep.first_name || ' ' || rep.last_name "Rep", super.first_name
       || ' ' || super.last_name "Supervisor"
FROM sales_representatives rep  JOIN sales_representatives super
ON (rep.supervisor_id = super.id);
```

Part 2

1.
```sql
SELECT *
FROM teams t FULL OUTER JOIN customers c
ON (t.id = c.tem_id);
```

Part 3

1.
```sql
SELECT *
FROM customers, sales_representatives;
```