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, size,
         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 "Customer Number", c.first_name "Customer First Name",
        c.last_name "Customer Last Name", c.phone_number "Customer Phone Number",
        c.email "Customer Email", s.id "Sales ID", s.first_name "Sales First Name",
        s.last_name "Sales Second Name", s.email "Sales Email"
FROM    customers c JOIN sales_representatives s
ON      (c.sre_id = s.id);
```

PART 4

1.
```
SELECT  c.ctr_number "Customer Number", c.first_name "Customer First Name",
        c.last_name "Customer Last Name", c.phone_number "Customer Phone Number",
        c.email "Customer Email", s.id "Sales ID", s.first_name "Sales First Name",
        s.last_name "Sales Second Name", s.email "Sales Email", T.name "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

```sql
SELECT   c.ctr_number "Customer Number", c.first_name "Customer First Name",
         c.last_name "Customer Last Name", c.phone_number "Customer Phone Number",
         c.email "Customer Email", s.id "Sales ID", s.first_name "Sales First Name",
         s.last_name "Sales Last Name", s.email "Sales Email", T.name "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    c.ctr_number = 'C00001';
```

PART 6

```sql
SELECT   'The cost of the' || I.NAME || 'on this day was' || P.PRICE
AS       "Items and Cost Information"
FROM     ITEMS I JOIN PRICE_HISTORY P
ON       I.ITM_NUMBER = P.ITM_NUMBER
JOIN     INVENTORY_LIST L
ON       I.ILT_ID = L.ID
WHERE    I.ITM_NUMBER = 'm01101045'
AND      TO_DATE ('2016-12-12', 'YYYY-MM-DD')
BETWEEN  P.START_DATE AND P.END_DATE;
```

PART 1

```
SELECT   R.first_name || `'|| R.last_name "REP", s.first_name || `'|| s.last_name
         " Supervisor "
FROM     sales_representatives R
JOIN     sales_representatives s
ON       s.id = R.supervisor_id;
```

PART 2

```
SELECT  *
FROM    TEAMS T LEFT OUTER  JOIN  CUSTOMERS C
ON      (T.id = c.tem_id);
```

PART 3

```
SELECT  *
FROM    CUSTOMERS
CROSS JOIN   SALES_REPRESENTATIVES;
```