



## 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, 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 (item_number);`

### Part 3

1. `SELECT c.cbr-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.cbr-number, c.first_name, c.last_name, c.phone-number, c.email, t.name, s.id, s.first_name, s.last_name, s.email FROM customers c JOIN sales_representatives s ON (c.sre-id = s.id);`  
`JOIN teams t`  
`ON (c.team-id = t.id);`

## Part 5

```
1. SELECT c.ctr-number, c.first-name, c.last-name, c.phone-number, c.email, l.name, s.id,  
s.first-name, s.last-name, s.email FROM customers c JOIN sales-representatives s  
ON (c.re-id = s.id);  
JOIN kams  
ON (c.tem-id = t.id) AND ctr-number = '000001';
```

## Part 6 :

```
1. SELECT 'The cost of the' || i.name || 'on this day was ' ||  
p.price FROM items i JOIN price-history p  
ON (i.itm-number = p.itm-number) AND  
(TO_DATE('13-Dec-2016', 'DD-MM-YYYY') BETWEEN  
p.start-date AND p.end-date);
```

## Exercise 2 (Part 2)

### Part 1:

```
1. SELECT w.first_name || '~' || w.last_name AS "Rep",  
   s.first_name || '~' || s.last_name AS "Supervisor"  
   FROM sales_representatives w JOIN sales_representatives s  
   ON (s.id = w.supervisor_id);
```

### Part 2

```
1. SELECT * FROM teams t  
   LEFT OUTER JOIN customers c  
   ON (t.id = c.team_id)
```

### Part 3

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