

SQL 4

① Part 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 (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  
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, 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 ctr-number = 'c00001';
```

## Part 6

```
1. SELECT 'The cost of the ' || i.name || ' on this day was ' ||  
        p.price  
FROM items i JOIN price-history p  
ON ('12/12/2016' BETWEEN p.start_date AND p.end_date) AND  
i.item_number = 'im01101045';
```



## ② Part 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 t LEFT OUTER JOIN customers c  
ON t.id = c.team_id ;
```

### Part 3

1. 

```
SELECT * FROM customers (CROSS) JOIN sales_representatives ;
```