

# Lab 4

Thursday, 28 December 2023

11:51 AM

## LAB 4 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

#### SELECT

```
c.ctr_number, c.first_name || " || c.last_name AS "Customer Name", c.phone_number,  
c.email AS "Customer Email", s.id, s.first_name || " || s.last_name AS "Sales Representatives Name",  
s.email AS "Sales Representatives 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 AS "Customer Name", c.phone\_number,  
c.email AS "Customer Email", s.id, s.first\_name || " || s.last\_name AS "Sales Representatives Name",  
s.email AS "Sales Representatives 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 Price"  
FROM items i JOIN price\_history p  
ON ( '12-DEC-2016' BETWEEN p.start\_date AND p.end\_date ) AND i.item\_number = 'ind101045';

## LAB 4 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 RIGHT OUTER JOIN customers  
ON ( teams.id = customers.tem\_id );

### Part 3

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