



**SECD2523 DATABASE SEMESTER 1  
(20232024)**

**TITLE:**  
LAB 4 DML 3

**LECTURER'S NAME:**  
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**SECTION:10**

BIL	NAME	MATRIC NO
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## **SQL 4 – DML3 PART 1**

### **PART 1**

- 1) SELECT \* FROM sales\_representatives NATURAL JOIN sales\_rep\_address;
- 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 customer c  
JOIN sales\_representatives s  
ON (c.src\_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  
FROM customer c  
JOIN sales\_representatives s  
ON (c.src\_id = s.id)  
JOIN team t  
ON (t.id = c.tem\_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  
FROM customer c  
JOIN sale\_representatives s  
ON (c.src\_id = s.id)  
JOIN team t  
ON (t.id = c.tem\_id);  
WHERE c.ctr\_number = 'c00001';

## PART 6

- 1) SELECT 'The cost of the' || i.name || 'on this day was' || ph.price  
FROM items i  
JOIN price\_history ph  
ON i.itm\_number = ph.itm\_number  
JOIN inventory\_list i  
ON i.it\_id = i.id  
WHERE i.itm\_number = 'im01101045'  
AND TO\_DATE ('2016-12-12', 'YYYY-MM-DD')  
BETWEEN ph.start\_date AND ph.end\_date;

## **SQL 4 – DML3 PART 2**

### PART 1

- 1) SELECT worker.first\_name || worker.last\_name AS "Rep",  
supervisor.first\_name || supervisor.last\_name AS "Supervisor"  
FROM sales\_representatives worker  
JOIN sales\_representatives supervisor  
ON (supervisor.supervisor\_id = worker\_id);

### PART 2

- 1) SELECT \* FROM teams t LEFT OUTER JOIN customer C  
ON (t.id = c.tem\_id);

### PART 3

- 1) SELECT \* From customers  
CROSS JOIN sales\_representatives;