

### DML 3 Part 1

#### Part 1

- 1) SELECT id, email, first\_name, last\_name, phone\_number, commission\_rate, supervisor\_id, id, address\_line\_1, address\_line\_2, city, zip\_code 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, 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) JOIN teams t ON c.tem\_id = t.id

#### Part 5

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) JOIN teams t ON c.tem\_id = t.id WHERE c.ctr\_number = 'C00001'.

#### Part 6

SELECT 'The cost of this' || i.name || 'on this day was' || ph.price FROM items i JOIN price\_history ph ON (i.item\_number = ph.item\_number) WHERE i.item\_number = 'I001101045' AND TO\_DATE('2016-12-12', 'YYYY-MM-DD') BETWEEN ph.start\_date AND ph.end\_date

### DML 3 Part 2

#### Part 1

SELECT worker.first\_name || worker.last\_name, manager.first\_name || manager.last\_name FROM sales\_representatives worker JOIN sales\_representatives manager ON (worker.id = manager.id)

#### Part 2

SELECT \* FROM customers c LEFT OUTER JOIN teams t ON (c.tem\_id = t.id)

#### Part 3

SELECT \* FROM customers, sales\_representatives