* Lab 4   SQL 4

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SECTION : 03

*Part #1:
1) SELECT * FROM sales-representatives
    NATURAL JOIN addresses;

2) SELECT id, email, first-name, last-name, address-line-1, address-line-2, city, phone-number FROM sales-representatives
    NATURAL JOIN addresses;

* Part 2
1) SELECT id, email, first-name, last-name, address-line-1, address-line-2, city, phone-number FROM sales-representatives JOIN addresses
    USINNG (location);

2) SELECT * FROM items JOIN price-history
    USINNG (Price);

*Part 3:
1) SELECT c.ctr-number, c.first-name, c.last-name, c.phone-number, c.email || AS "Customer Information", s.id, s.first-name, s.last-name, s.email || AS "Sales information" FROM customers JOIN sales-representatives
    ON (c.ctr-number = s.id);

*Part 4:
1) SELECT c.ctr-number, c.first-name, c.last-name, c.phone-number, c.email || AS "Customer Information", s.id, s.first-name, s.last-name, s.email || AS "Sales Information" FROM customers JOIN
    JOIN sales-representative
    ON (c.ctr-number = s.id);
    JOIN Team t
    ON c.first-name = t.name;

*Part 5:

```
1) SELECT. c.ctr-number, c.first-name, c.last-name, c.phone-number
        c.email || AS " Customer Information ", s.id, s.first-name,
        s.last-name, s.email ||AS "Sales Information" FROM
            customers JOIN sales-representatives
            ON (ctr. number = s.id)
            JOIN   teams t
            ON    (c.first-name = t.name)
            WHERE   c.ctr-number = 'C-00001';
```

*Part 6:

```
    SELECT "The cost of " || t.name || " on this " || d.end-date ||
        "  was  " || d.price FROM teams t JOIN price-history d
        WHERE   t.item-number = 'imol101045' AND  d.end date = '12-DEC-2011'
```

*Ex 2

*Part 1:

```
1) SELECT   s.first-name || ' ' || s.last-name AS "Rep",
            a.first-name || ' ' || a.last-name AS "Supervisor".
    FROM    sales-representatives s
        LEFT JOIN  sales-representative m
        ON   s.id = a.id;
```

*Part 2:

```
1) SELET   t.name, c.first-name || ' ' || c.last-name AS "customer
    Full Name  ",  c.phone-number AS "Customer phone number"
    FROM    teams t
    FULL OUTER JOIN customers
        ON (t.team-id = c.ctr-number);
```

* Part 3:

1) SELECT c.ctr-number, c.first-name || ' ' || c.last-name AS
   "Customer Name", s.id AS "Sales id" s.first-name || '' ||
   s.last-name AS "Sales Name" FROM customers
   CROSS JOIN sales-representatives;