Database Lab 4

Name: Muhammad Thia Thaqif Bin Shahrul Akbar

Matrix: B23CS0060

Section: 6

Part 1

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 ;

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);

3 1. SELECT c.ctr_number, c.first_name AS ctr_first_name,
c.last_name AS ctr_last_name, c.phone_number AS
ctr_phone_number, c.email AS ctr_email, s.id AS
sre_id, s.first_name AS sre_first_name, s.last_name AS
sre_last_name, s.email AS sre_email
FROM customers c
JOIN sales_representatives s
ON c.sre_id = s.id ;

```sql
4.1.  SELECT  c.ctr_number,  c.first_name AS ctr_first_name,
              c.last_name AS ctr_last_name,  c.phone_number AS
              ctr_phone_number,  c.email AS ctr_email,  s.id AS
              sre_id,  s.first_name AS sre_first_name,  s.last_name AS
              sre_last_name,  s.email AS sre_email,  t.name AS
              team_name
      FROM
              sales_representatives  s
      JOIN
              customers  c
      ON      s.id = c.sre_id
      JOIN    teams  t
      ON      c.tem_id = t.id;


5.1.  SELECT  c.ctr_number,  c.first_name AS ctr_first_name,
              c.last_name AS ctr_last_name,  c.phone_number AS
              ctr_phone_number,  c.email AS ctr_email,  s.id AS
              sre_id,  s.first_name AS sre_first_name,  s.last_name AS
              sre_last_name,  s.email AS sre_email,  t.name AS
              team_name
      FROM    sales_representatives  s
      JOIN    customers  c
      ON      s.id = c.sre_id
      JOIN    teams  t
      ON      c.tem_id = t.id
      WHERE   c.ctr_number = 'c00001';


6.1.  SELECT 'The cost of the ' || i.name || ' on this day was ' ||
             ph.price AS Information
      FROM items i
      JOIN price_history ph
      ON    i.itm_number = ph.itm_number
      WHERE i.itm_number = 'im0110104s' AND ph.start_date <
            '12-DECEMBER-2016' AND p.h.end_date > '12-DECEMBER-2016';
```

Part 2

1. 1.
```
SELECT   rep.first_name || ' ' || rep.last_name AS Rep,
         supervisor.first_name || ' ' || supervisor.last_name AS
         supervisor
FROM     sales_representatives rep
JOIN     sales representatives supervisor
ON       rep.supervisor_id = supervisor.id;
```

2. 1.
```
SELECT   *
FROM     teams t
FULL OUTER JOIN customers c
ON t.id = c.tem_id;
```

3. 1.
```
SELECT   *
FROM     customers, sales_representatives;
```