NAME: HISYAMUDDIN FIRDAUS BIN HAMZAH

MATRIC NO.: A22EC0167

SECTION: 06

~~The~~ TITLE: SECD2523 -06 DATABASE: SQL 4-DML 3 Lab Exercise.

Exercise 1 (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 (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
   customers c JOIN sales_representatives s
   ON (c.sre_id = s.id);

Part 4

1. SELECT c.ctr_number, c.first_name, c.last_name, c.phone_number,
   c.email, t.name, 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

1. SELECT c.ctr_number , c.first_name , c.last_name , c.phone_number,
   c.email , t.name , 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
   ON (c.item_id = t.id) AND ctr_number = `c00001`;

Part 6

1. SELECT `The cost of the` || i.name || `on this day was` ||
   p.price FROM items i JOIN price_history p
   ON (i.itm_number = p.itm_number) AND
   (TO_DATE (`12 - Dec - 2016` , `DD - MM - YYYY`) BETWEEN
   p.start_date AND p.end_date);

Exercise 2 (Part 2)

Part 1

1. ```sql
SELECT w.first_name || ' ' || w.last_name AS "Rep",
    s.first_name || ' ' || s.last_name AS "Supervisor"
FROM sales_representatives w   JOIN sales_representatives S
ON (S.id = w.supervisor_id);
```

### Part 2

1. ```sql
SELECT * FROM teams t JOIN customers c
LEFT OUTER JOIN customers c
ON (t.id = c.tem_id);
```

Part 3

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