Ethan Tuning
11/14/2016
CSCD327
Lab#6

1.

```sql
UPDATE instructor
SET salary = salary * 1.1
```

2.

```sql
DELETE
FROM course
WHERE course_id NOT IN (SELECT course_id
                        FROM section)
```

3.

```sql
INSERT
INTO instructor
SELECT ID, name, dept_name, 10000
FROM student
WHERE tot_cred > 100
```

4.

```sql
INSERT
INTO takes
SELECT ID, 'CS-001', '1', 'FALL', '2009', NULL
FROM student
WHERE student.dept_name = 'Comp. Sci.'
```

5.

```sql
DELETE
FROM takes
WHERE course_id = 'CS-001' AND ID  IN (SELECT ID
                                       FROM student
                                       WHERE name = 'Zhang')
```

6.
```sql
DELETE
FROM takes
WHERE course_id IN(SELECT course_id
                   FROM course JOIN section USING(course_id)
                   WHERE title LIKE '%atabase%');
```

7.
```sql
1  UPDATE student
2  SET tot_cred = CASE
3                  WHEN takes.grade = null OR takes.grade = 'F'
4                   THEN tot_cred = tot_cred - 5
5                  END;
6  SELECT *
7  FROM student;
```

8.
```sql
1  CREATE TABLE store_reps
2  (Rep_ID INT(5),
3   Last VARCHAR(15),
4   First VARCHAR(10),
5   Comm CHAR(1) DEFAULT 'Y',
6   PRIMARY KEY(Rep_ID)
7   );
```

9.
```sql
1  ALTER TABLE store_reps
2  MODIFY Last VARCHAR(15) NOT NULL;
3
4  ALTER TABLE store_reps
5  MODIFY First VARCHAR(15) NOT NULL;
```

10.
```sql
1  CREATE TABLE book_stores
2  (
3      store_id INT(8) PRIMARY KEY,
4      name VARCHAR(30) NOT NULL UNIQUE,
5      contact VARCHAR(20),
6      rep_id INT(5)
7  )
```

11.
```sql
1  ALTER TABLE book_stores
2  ADD CONSTRAINT valid FOREIGN KEY(rep_id)
3  REFERENCES store_reps(Rep_ID)
4  ON UPDATE CASCADE
```

12.
```sql
1  CREATE TABLE rep_contracts
2  (
3      store_id INT(8),
4      name INT(5),
5      quarter CHAR(3),
6      rep_id INT(5),
7      PRIMARY KEY(rep_id, store_id, quarter),
8      FOREIGN KEY(rep_id) REFERENCES store_reps(rep_id),
9      FOREIGN KEY(store_id) REFERENCES book_stores(store_id)
10 )
```