Question 6

Modification Commands

1) Description: We have fired all the employees that have not handled any order during their time as an employee, so this modification deletes these employees.

   DELETE FROM EMPLOYEE **WHERE EID IN** (**SELECT EID**
   FROM EMPLOYEE
   WHERE EID NOT IN (**SELECT EID FROM** EMPLOYEE, **ORDER**
   WHERE EMPLOYEE.**EID** = ORDER.HANDLER))

   These are the entries deleted:

	EID	ENAME	EMPLOYMENTDATE
1	1818	Gwendolyn Gallagher	2015-08-01
2	3374	Oliver Dennis	2013-07-07
3	4101	Dante Wooten	2006-02-14

   Screenshot of script running:

   ```
   sql> DELETE FROM EMPLOYEE WHERE EID IN (SELECT EID
   FROM EMPLOYEE
   WHERE EID NOT IN (SELECT EID FROM EMPLOYEE, ORDER
   WHERE EMPLOYEE.EID = ORDER.HANDLER))
   [2017-02-21 18:28:23] 3 rows affected in 78ms
   ```

2) We are low on employees, so we decided to hire every customer that made a purchase from us since January 10, 2017. This command will insert five new employees into our employee table.

   INSERT INTO EMPLOYEE
     (**SELECT ORDERID as** EID, (**FIRSTNAME** || ' ' || **LASTNAME**) **as** ENAME, **ORDERDATE as**
   EMPLOYMENTDATE
     FROM CUSTOMER, **ORDER**
   WHERE CUSTOMER.**EMAIL** = ORDER.**CUSTOMEREMAIL**
   AND ORDERDATE >= **DATE '2017-01-01'**)

   These are the entries inserted:

	EID	ENAME	EMPLOYMENTDATE
1	1006	Paula Fox	2017-01-04
2	1007	Jena Grimes	2017-01-07
3	1024	Upton Mclean	2017-01-29
4	1041	Rinah Morgan	2017-02-10
5	1074	Dai Gonzalez	2017-02-05

Screenshot of script running:

```
sql> INSERT INTO EMPLOYEE
  (SELECT ORDERID as EID, (FIRSTNAME || ' ' || LASTNAME) as ENAME, ORDERDATE as EMPLOYMENTDATE
  FROM CUSTOMER, ORDER
WHERE CUSTOMER.EMAIL = ORDER.CUSTOMEREMAIL
AND ORDERDATE >= DATE '2017-01-01')
[2017-02-21 18:53:27] 5 rows affected in 30ms
```

3) Description: We have increased our inventory for all items that had stock below 80 in our Toronto location. This modification updates the quantity available column by adding 100 to its current value in each entry that has less than 80 inventory.

```
UPDATE UNITSTOCKING
SET QUANTITYAVAILABLE = QUANTITYAVAILABLE + 100
WHERE QUANTITYAVAILABLE < 80 AND LOCATION = 'TORONTO'
```

These are the entries updated:

	MODELNAME	QUANTITYAVAILABLE	LOCATION	COLOR	SIZE
1	Gym Workout Unlimited	22	TORONTO	YELLOW	M
2	Tight Sexy Looks	59	TORONTO	GREEN	L
3	Tight Sexy Looks	69	TORONTO	GREEN	M
4	DC Rebel	75	TORONTO	GREEN	L
5	Adidas Gloro 16.1 FG	66	TORONTO	RED	32
6	Adidas Gloro 16.1 FG	78	TORONTO	YELLOW	38
7	Nike Tiempo Rio III FG	32	TORONTO	GREEN	40
8	Adidas Yeezy 2.0	35	TORONTO	WHITE	38

Screenshot of script running:

```
sql> UPDATE UNITSTOCKING
SET QUANTITYAVAILABLE = QUANTITYAVAILABLE + 100
WHERE QUANTITYAVAILABLE < 80 AND LOCATION = 'TORONTO'
[2017-02-21 18:40:50] 8 rows affected in 64ms
```