HW6 Solution

```
6.5.1
(a)
INSERT
INTO    Product VALUES
        (
                'C'    ,
                '1100',
                'pc'
        ) ;
INSERT
INTO    PC VALUES
        (
                '1100',
                3.2    ,
                1024,180,2499
        ) ;


(b)
INSERT
INTO    Product
SELECT  make        ,
        model+1100,
        'laptop'
FROM    Product
WHERE   type = 'pc' ;
INSERT
INTO    Laptop
SELECT  model+1100,
        speed      ,
        ram        ,
        hd         ,
        17         ,
        price+500
FROM    PC ;
```

Or if model is character data type

```
INSERT
INTO    Product
SELECT  make                    ,
        CHAR(INT(model)+1100),
        'laptop'
FROM    Product
WHERE   type = 'pc' ;
INSERT
INTO    Laptop
SELECT  CHAR(INT(model)+1100),
        speed                   ,
        ram                     ,
        hd                      ,
        17                      ,
        price+500
FROM    PC ;


(c)
DELETE
FROM    PC
WHERE   hd < 100 ;
```

(d)

```
DELETE
FROM      Laptop L
WHERE     L.model IN
          (SELECT R2.model
          FROM      Product R2
          WHERE     R2.maker IN
                    (SELECT DISTINCT R.maker
                    FROM      Product R
                    WHERE     R.maker NOT IN
                              (SELECT R2.maker
                              FROM      Product R2
                              WHERE     R2.type = 'printer'
                              )
                    )
          ) ;
DELETE
FROM      PRODUCT R3
WHERE     R3.model IN
          (SELECT R2.model
          FROM      Product R2
          WHERE     R2.maker IN
                    (SELECT DISTINCT R.maker
                    FROM      Product R
                    WHERE     R.maker NOT IN
                              (SELECT R2.maker
                              FROM      Product R2
                              WHERE     R2.type = 'printer'
                              )
                    )
          )
     AND R3.type = 'laptop';
```

```
(e)
UPDATE  Product
SET      maker = 'A'
WHERE    maker = 'B' ;


(f)
UPDATE  PC
SET      ram = ram*2,
         hd  =hd  +60 ;


(g)
UPDATE  Laptop L
SET      L.screen = L.screen+1,
         L.price  =L.price  -100
WHERE    L.model               IN
         (SELECT  R.model
         FROM     Product R
         WHERE    R.maker = 'B'
         ) ;
```