

Name 1:

Name 2:

We have two relations, Products(maker, model, type) and PC(model, speed, ram, hd, price)

Sketch the following transactions, including SQL statements. Do not forget to issue BEGIN TRANSACTION, COMMIT, ROLLBACK statements at the proper times.

- a) Given a speed and amount of RAM (as arguments to the function) look up the PC with that speed and RAM, printing the model number and price of each.
- b) Given a model number, delete the tuple for that model from both PC and Product.
- c) Given a model number, decrease the price of that model PC by 100.

a) Look-up-PC (pss, pam)

```
{  
  BEGIN TRANSACTION;  
  SELECT model, price from PC  
    WHERE speed = pss and ram = pam  
  COMMIT;  
}
```

b) Delete - Model (pmod)

{

BEGIN TRANSACTION;

DELETE FROM PC WHERE model = pmod;

DELETE FROM Product WHERE model = pmod;

COMMIT;

}

c) Decrease - Price (pmod)

{

BEGIN TRANSACTION .

UPDATE PC SET Price = price - 100

WHERE model = pmod;

COMMIT;

}