

# CSC343 Worksheet 6

June 20, 2020

1. **Exercise 6.6.1:** This and the next exercises involve certain programs that operate on the two relations

```
1   Product(maker, model, type)
2   PC(model, speed, ram, hd, price)
3
```

from our running PC exercise. Sketch the following programs, including SQL statements and work done in a conventional language. Do not forget to issue BEGIN TRANSACTION, COMMIT, and ROLLBACK statements at the proper times and to tell the system your transactions are read-only if they are.

- Given a speed and amount of RAM (as arguments of the function), look up the PC's with that speed and RAM, printing the model number and price of each.
- Given a model number, delete the tuple for that model from both PC and Product.
- Given a model number, decrease the price of that model PC by \$100.
- Given a maker, model number, processor speed, RAM size, hard-disk size, and price, check that there is no product with that model. If there is such a model, print an error message for the user. If no such model existed in the database, enter the information about that model into the PC and Product tables.