Homework 6

Read DDI chapter 4 "Data Manipulation" through section 4.2 (pages 70 - 91).

Take brief notes on the chapter (list the names of all the relational algebra operations and what they mean). All quizzes are open-note.

On Piazza, write a post that:
• Declares some entity and its attributes (choose something you like, care about or one that is totally crazy)
• Express the relation in this format: ENTITYNAME(attr1, attr2, ... attrn)
• Write relational algebra expressions that use select, project and rename.
• Lastly, explain the relational algebra expression in your own words.

Here is an example:

CAR(name, make, model, year, color, hp)

Q1 = select(CAR, hp > 240 && make == 'BMW')
Q2 = project(Q1, {name, make, model})
Q3 = rename(Q2, {name, nickname}, {make, manufacturer})

"The nickname, manufacturer and model of cars that have more than 240 ponies under the hood and are made by BMW."