CHAPTER 2
DISCUSSIONS 2

Discussion 2-8   (Exercise 2.2)

- Is relational algebra a *procedural* language? Is it a *nonprocedural* one? Justify.

Discussion 2-9 ~ 2-11

person (person_name, street, city)
company (company_name, city)
works (person_name, company_name, salary)

- Using the above database schema, represent the following queries in *relational algebra*.

  2-9. *Find all names of persons.*

  2-10. *Find the names of persons who live in "Seoul"*

  2-11. *Find the names of persons who work for "SNU"*

Discussion 2-12 ~ 2-14

person (*person_name*, *street*, *city*)
company (*company_name*, *city*)
works (*person_name*, *company_name*, *salary*)

- Using the above database schema, represent the following queries in *relational algebra*.

  2-12. *Find all cities in the database*

  2-13. *Find the names of people who do not work*

  2-14. *Find names of people who work for "SNU" and earn more than 1,000,000*