CHAPTER 6
DISCUSSIONS 1

Discussions 6-1 ~ 6-2

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*.

  6-1. *Find company names located in the city where "SNU" is located.*

  6-2. *Find names and addresses of employees who work for companies located in "Seoul".*

Discussions 6-3 ~ 6-4

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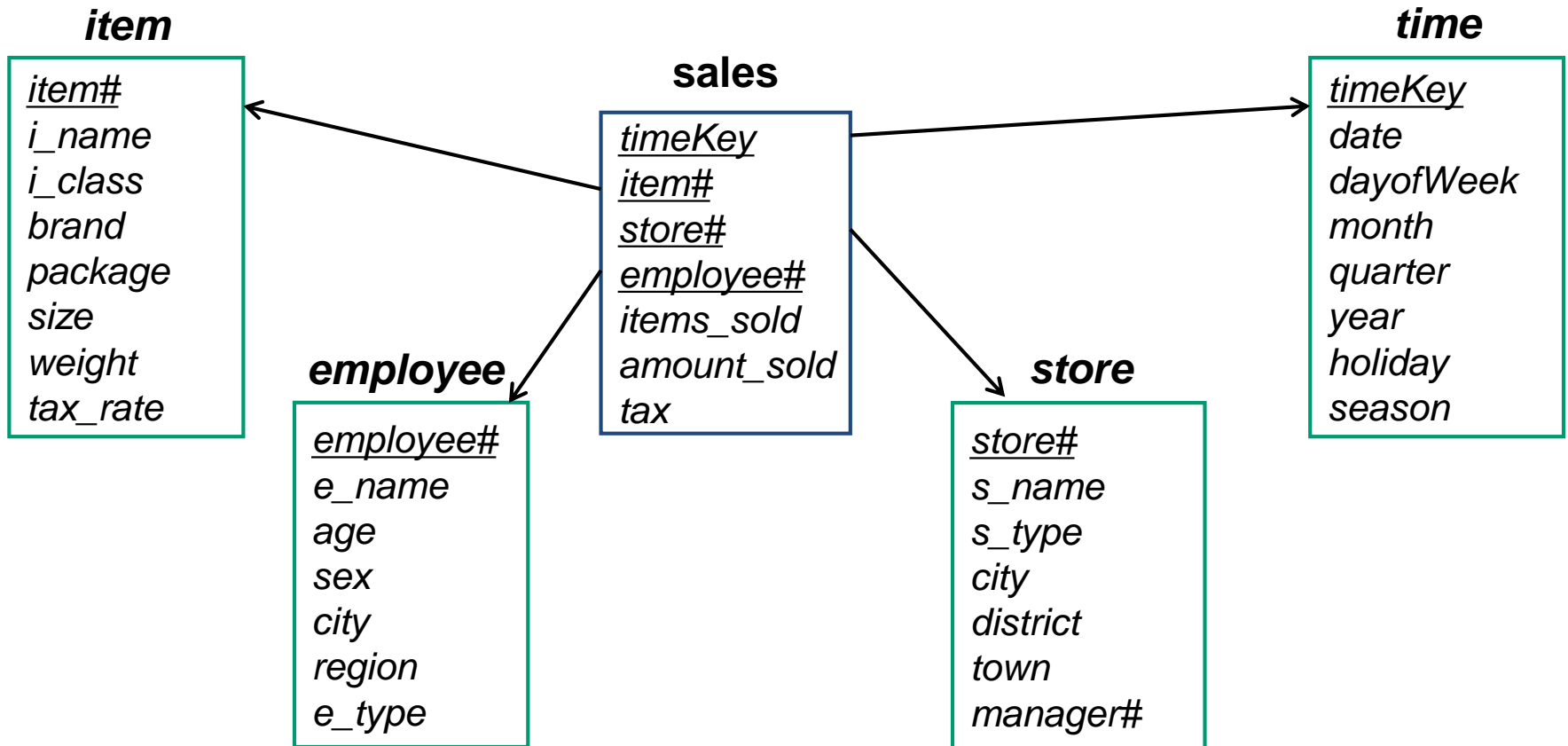*works* (*person_name*, *company_name*, *salary*)

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

    6-3*. Find pairs of person names who live in the same city.*

    6-4*. Find value of the largest salary.*

편의점 판매 기록 Schema

- 편의점 체인 본부의 전체 편의점 판매 기록 database는?

item

item
item#
i_name
i_class
brand
package
size
weight
tax_rate

sales

sales
timeKey
item#
store#
employee#
items_sold
amount_sold
tax

time

time
timeKey
date
dayofWeek
month
quarter
year
holiday
season

employee

employee
employee#
e_name
age
sex
city
region
e_type

store

store
store#
s_name
s_type
city
district
town
manager#

Discussion 6-5

- Query: *Names of items that were sold on holidays.*

item

item#
i_name
i_class
brand
package
size
weight
tax_rate

sales

timeKey
item#
store#
employee#
items_sold
amount_sold
tax

time

timeKey
date
dayofWeek
month
quarter
year
holiday
season

employee

employee#
e_name
age
sex
city
region
e_type

store

store#
s_name
s_type
city
district
town
manager#
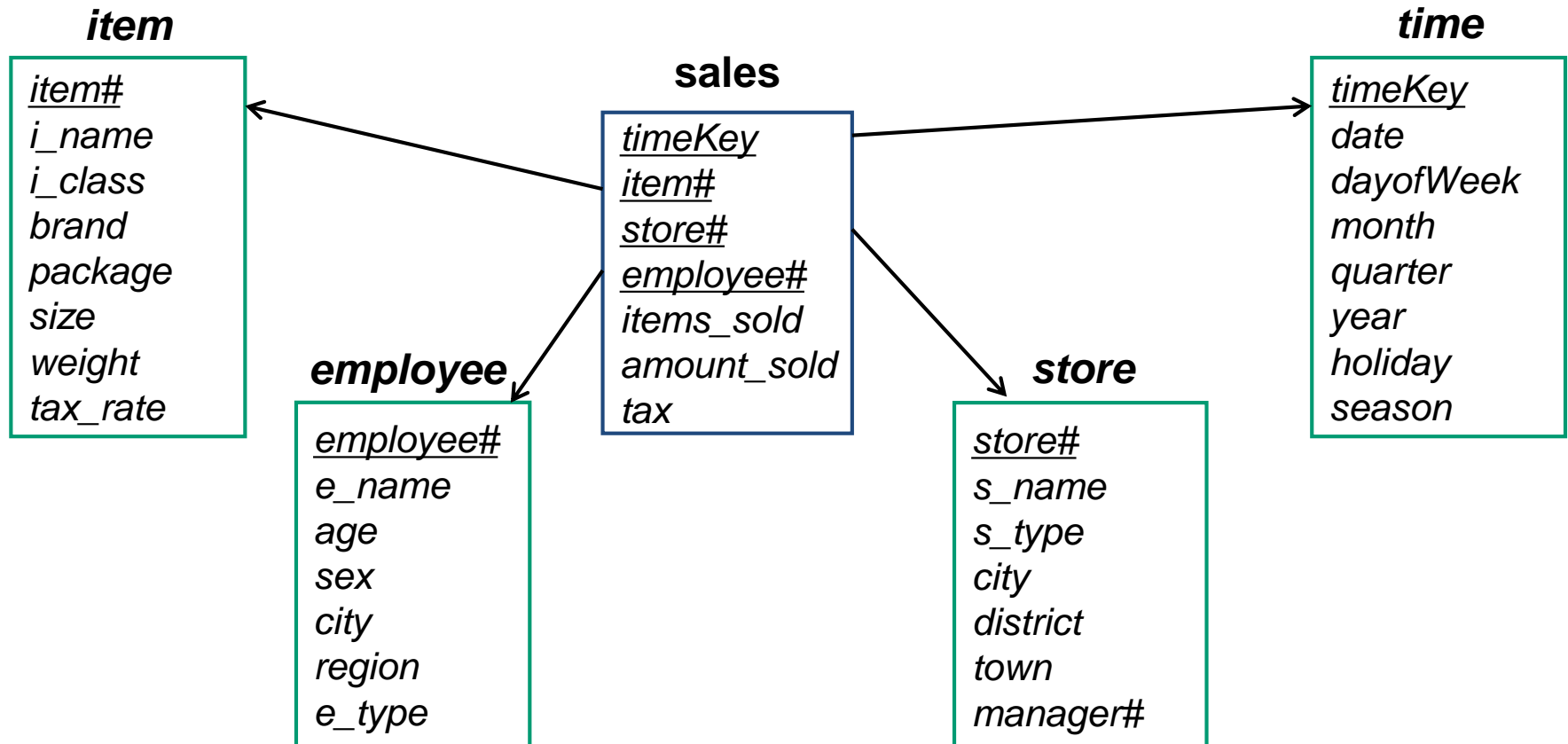
Discussion 6-6

- Query: *Brands that were sold only in "Mall" type stores in Q1 of 2014.*

item

item#
item#
i_name
i_class
brand
package
size
weight
tax_rate

sales

timeKey
item#
store#
employee#
items_sold
amount_sold
tax

time

timeKey
date
dayofWeek
month
quarter
year
holiday
season

employee

employee#
e_name
age
sex
city
region
e_type

store

store#
s_name
s_type
city
district
town
manager#
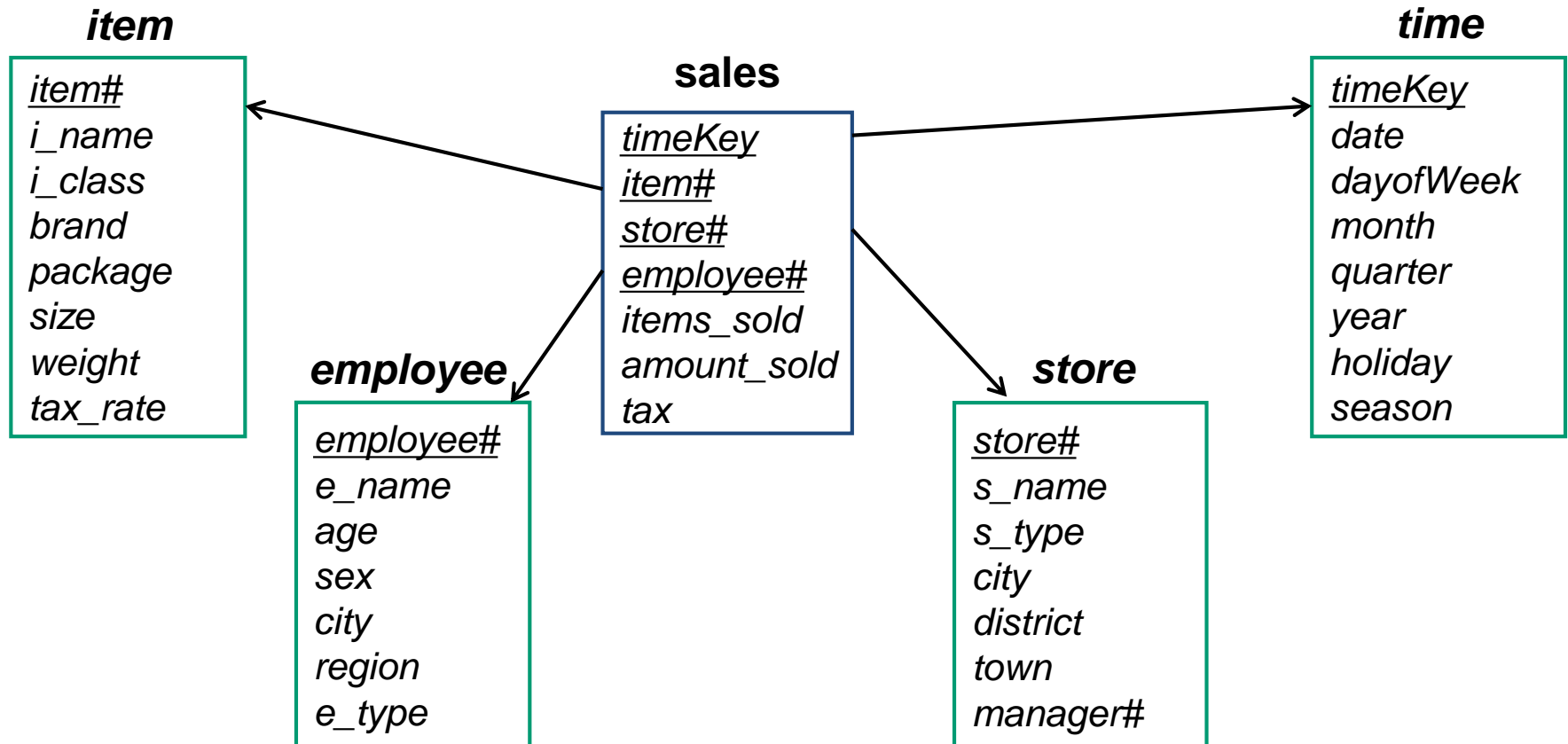
Discussion 6-7

- Query: *Name of the employee who manages the "SNU3" store.*

item

item#
i_name
i_class
brand
package
size
weight
tax_rate

sales

timeKey
item#
store#
employee#
items_sold
amount_sold
tax

time

timeKey
date
dayofWeek
month
quarter
year
holiday
season

employee

employee#
e_name
age
sex
city
region
e_type

store

store#
s_name
s_type
city
district
town
manager#