**Homework 10 Hints**

**Problem 21**

If you only needed to do this for one employee, it would look like:

select e.emp\_num, emp\_lname, sal\_amount from lgemployee e join lgsalary\_history h on

e.emp\_num = h.emp\_num

where e.emp\_num = 83653 AND sal\_from = (select min(sal\_from) from lgsalary\_history where emp\_num = 83653)

We want to do it for all employees, so use a correlated subquery that references outer employee table

**Problem 23**

select …stuff…

from lgemployee join (SELECT employee\_id, Sum(line\_qty) AS total …rest of query to get every employee’s total qty sold) alltotals

on lgemployee.emp\_num = alltotals.employee\_id

where total = (select max(num\_sold) from ( repeat the earlier subquery that gave all employee’s total qty sold) totals)

**Problem 24**

join customer with invoice on cust\_code where employee\_id = 83649

intersected with similar query for the other employee

**Problem 25**

**Notice in the second half of the union, you can put explicit values in the columns for invoice date and total**

select …stuff…

from customer joined with invoice for AL and inv\_total = (correlated subquery to get max(inv\_total) for customer in outer query

Unioned with

select stuff, NULL, 0

from AL customers not in invoice table

**Problem 26**

Select …stuff…

from lgbrand joined with

(subquery to get brand\_id, average prod price from lgproduct for each brand\_id)

on brand\_id

joined with

(subquery to get brand\_id, sum(line\_qty) from product and line tables for each brand\_id)

on brand\_id

order by…

**Problem 27**

select …stuff…

from product joined with brand on brand\_id

where type <> premium

and prod\_price > (subquery to get max product price for premium products)