**MINS 335**

**Midterm 1 Practical**

**Spring 2016**

For this exercise you are going to create a Master/Detail Report based on tables from the Oracle sample HR schema. These tables should already exist in your schema. If not, run the HR\_30.sql script which is available on the Materials 🡪 Scripts page of BlackBoard. The ERD for the HR schema is available on the same page.

Your report will show the following **Employee information**:

Name as Last Name, First Name (e.g. Smith, John)

Department Name

Job Title

Salary

City

(4 table join, all inner joins)

You will prompt the user for a formatted 4-digit location ID. Use **location 1700** to test your report.

Your master column will be **Department** since we want salary information for each department within a given city.

When a department name break occurs, we want to calculate the **sum** of salaries for the employees in that department. At the end of the report, we want to calculate a **grand total** of salaries.

The **header** on each page should look as follows:

Department: *department* *name* **centered**.

Employees in *city name* **centered**

Date: today’s date *as weekday, month name date year* **centered**

(e.g. Friday, March 14th, 2014 … don’t worry if the spacing is weird)

The **footer** should show the **page number** of the report **centered** and your company name (make it up) on the **left** margin.

Spool your report to a file in the user’s **home directory**.

Make sure that the report is nicely formatted. There are no specific formatting requirements for the columns, but make sure that they are attractive, appropriately sized and create a report that you would be proud to deliver to HR management. Make sure to **clean up** the SQL\*Plus environment after your report.

Remember that formatting the report will get you more points than a perfect SQL statement will. Don’t spend too much time on the SQL if you’re having issues making it work.