Chris Tjon
CIS119DO Project #1
27 September 2004

Query #1:
Display the name and job for employees that satisfy the following conditions:

- Last name is Hunold, Lorentz, or Whalen
- Job is IT Programmer (IT_PROG), Stock Clerk (ST_CLERK), or Marketing Manager (MK_MAN)
- Salary is greater than 5000

Your code should handle names and jobs stored in any case (upper, lower, mixed). Label the 2nd column **JOB**.

```
SELECT last_name, job_id AS "JOB"
FROM employees
WHERE INITCAP(last_name) = ANY(INITCAP('HUNOLD'), INITCAP('LORENTZ'), INITCAP('WHALEN'))
AND INITCAP(job_id) = ANY(INITCAP('IT_PROG'), INITCAP('ST_CLERK'), INITCAP('MK_MAN'))
AND salary > 5000;
```

LAST_NAME	JOB
Hunold	IT_PROG

Query #2:
Show those employees that have a last name starting with J, K, L, or M. Label the column heading **Name.** Proceed each name with the phrase “My name is “ as shown below. Order by last name.

```
SELECT 'My name is ' || last_name as "Name"
FROM employees
WHERE UPPER(last_name) > 'I' AND UPPER(last_name) < 'N'
ORDER BY last_name;
```

Name
My name is King
My name is Kochhar
My name is Lorentz
My name is Matos
My name is Mourgos

Query #3:
Show the department name, last name and salary of employees that work in the Shipping department. Display in alphabetically order by last name. Use a SQL99 Compliant Join with the ON clause.

```
SELECT d.department_name, e.last_name, e.salary
FROM departments d
JOIN employees e
ON e.department_id = d.department_id
WHERE UPPER(d.department_name) = UPPER('Shipping')
ORDER BY e.last_name;
```

DEPARTMENT_NAME	LAST_NAME	SALARY
Shipping	Davies	3100
Shipping	Matos	2600
Shipping	Mourgos	5800
Shipping	Rajs	3500
Shipping	Vargas	2500

Query #4:
Display the job and the sum of all salaries for each job. Consider all jobs except the President. Label the columns **Job** and **Payroll**. Sort the output by payroll.

```
SELECT j.job_id AS "Job", SUM(e.salary) AS "Payroll"
FROM jobs j
JOIN employees e
ON e.job_id = j.job_id
GROUP BY j.job_id
ORDER BY "Payroll";
```

Job	Payroll
AD_ASST	4400
ST_MAN	5800
MK_REP	6000
AC_ACCOUNT	8300
SA_MAN	10500
ST_CLERK	11700
AC_MGR	12000
MK_MAN	13000
IT_PROG	19200
AD_PRES	24000
SA_REP	26600
AD_VP	34000

Query 5:
How many employees have a name that *ends* with an “n”?

```
SELECT count(last_name)
FROM employees
WHERE last_name LIKE '%n';
```

COUNT(LAST_NAME)
3

Query 6:
Show all employees who were hired in the first half of the month (before the 16th of the month). Display the most recent hires first.

```
SELECT last_name, hire_date
FROM employees
WHERE TO_CHAR(hire_date, 'DD') < '16'
ORDER BY hire_date desc;
```

LAST_NAME	HIRE_DATE
Lorentz	07-FEB-99
Vargas	09-JUL-98
Matos	15-MAR-98
Abel	11-MAY-96
Higgins	07-JUN-94
Gietz	07-JUN-94
De Haan	13-JAN-93
Hunold	03-JAN-90