

Oracle CIS119DO: SQL

PROJECT 1 (20 points + Extra Credit)

Each exercise is worth 4 points. Complete any 5 out of the 6 exercises. Additional exercises will be considered for Extra Credit. In each exercise you will:

- Create a SELECT statement like we have been doing in class in iSQLPlus.
- Cut and paste your SELECT statement and resulting output into a Word Document
- Hand in
 - 1) a copy of each SELECT statement clearly identified
 - 2) the resulting output.

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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**.

LAST_NAME	JOB
Hunold	IT_PROG

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.

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

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.

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

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.

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
SA_REP	26600
AD_VP	34000

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

COUNT(*)
3

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.

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