L3-W4-ABIODUN OKE 117180166

*STEP 1: Put the SQL and the results after each question below*

*STEP 2: Submit on Blackboard.*

1. Write a query to display the tomorrow’s date in the following format:

*September 28th of year 2006*

Your result will depend on the day when you create this query.

Label the column Tomorrow.

**ANSWER:** SELECT to\_char(sysdate+1, 'fmMonth DDth "of year" YYYY') "Tomorrow"

FROM dual;

OUTPUT:

Tomorrow

---------------------------

September 21ST of year 2018

2. For each employee in departments 20, 50 and 60 display last name, first name, salary, and salary increased by 7% and expressed as a whole number.

Label the column Good Salary.

Also add a column that subtracts the old salary from the new salary and multiplies by 12.

Label the column Annual Pay Increase.

**ANSWER:**

SELECT last\_name, first\_name, salary, round(salary\*.07+salary) as "Good Salary", (round(salary\*.07+salary)-salary)\*12 as "Annual Pay Increase"

FROM employees

WHERE department\_id IN ('20', '50', '60');

**OUTPUT**:

**LAST\_NAME FIRST\_NAME SALARY Good Salary Annual Pay Increase**

**------------------------- -------------------- ---------- --------------------------------------- ---------------------------------------**

**Hartstein Michael 13000 13910 10920**

**Fay Pat 6000 6420 5040**

**Mourgos Kevin 5800 6206 4872**

**Rajs Trenna 3500 3745 2940**

**Davies Curtis 3100 3317 2604**

**Matos Randall 2600 2782 2184**

**Vargas Peter 2500 2675 2100**

**Hunold Alexander 9000 9630 7560**

**Ernst Bruce 6000 6420 5040**

**Lorentz Diana 4200 4494 3528**

**10 rows selected**

3. Write a query that displays the employee’s Full Name and Job Title in the following format:

*DAVIES, CURTIES is Store Clerk*

Only employees whose last name ends with *S* and first name starts with *C* or *K*.

Give this column an appropriate label like *Person and Job*

Sort the result by the employees’ last names.

**ANSWER:**

SELECT UPPER(first\_name||', '||last\_name)||' is Store '||substr(job\_id, 4) "Person and Job"

FROM employees

WHERE upper(last\_name) LIKE '%S'

AND (upper(first\_name) LIKE 'C%'

OR upper(first\_name) LIKE 'K%')

ORDER BY last\_name;

**OUTPUT:**

**Person and Job**

**----------------------------------------------------------------**

**CURTIS, DAVIES is Store CLERK**

**KEVIN, MOURGOS is Store MAN**

4. For each employee hired before 1992, display the employee’s last name, hire date and calculate the number of YEARS between TODAY and the date the employee was hired. Label the column Years worked.

Order your results by the number of years employed.

Round the number of years employed up to the closest whole number.

**ANSWER**:

SELECT last\_name, hire\_date, ROUND((sysdate-hire\_date)/365) as "Years worked"

FROM employees

WHERE hire\_date < '92-JAN-01'

ORDER BY 3 desc;

**OUTPUT**:

LAST\_NAME HIRE\_DATE Years worked

------------------------- --------- ---------------------------------------

Whalen 87-09-17 31

King 87-06-17 31

Kochhar 89-09-21 29

Hunold 90-01-03 29

Ernst 91-05-21 27

5. Create a query that displays the city names, country codes and state province names, but only for those cities that start on *S* and have at least 8 characters in their name. If city does not have province name assigned, then put *Unknown Province.*

**ANSWER**:

SELECT city, country\_id, nvl(state\_province, 'Unknown Province') "STATE PROVINCE"

FROM locations

WHERE upper(city) LIKE 'S\_\_\_\_\_\_\_%';

**OUTPUT:**

**CITY COUNTRY\_ID STATE PROVINCE**

**------------------------------ -- -------------------------**

**Southlake US Texas**

**South San Francisco US California**

**South Brunswick US New Jersey**

**Singapore SG Unknown Province**

**Stretford UK Manchester**

**Sao Paulo BR Sao Paulo**

**6 rows selected**

6. Display each employee’s last name, hire date, and salary review date, which is the first Tuesday after a year of service, but only for those hired after 1997.

Label the column REVIEW DAY.

Format the dates to appear in the format similar to

*TUESDAY, August the Thirty-First of year1998*

ANSWER:

SELECT last\_name, hire\_date, to\_char(next\_day(hire\_date+356, 'TUESDAY'), 'fmDAY"," Month "the" Ddspth "of year"YYYY' ) "REVIEW DAY"

FROM employees

WHERE hire\_date > '97-DEC-31';

OUTPUT:

LAST\_NAME HIRE\_DATE REVIEW DAY

------------------------- --------- ---------------------------------------------------

Lorentz 99-02-07 TUESDAY, February the First of year2000

Mourgos 99-11-16 TUESDAY, November the Seventh of year2000

Matos 98-03-15 TUESDAY, March the Ninth of year1999

Vargas 98-07-09 TUESDAY, July the Sixth of year1999

Zlotkey 00-01-29 TUESDAY, January the Twenty-Third of year2001

Taylor 98-03-24 TUESDAY, March the Sixteenth of year1999

Grant 99-05-24 TUESDAY, May the Sixteenth of year2000

7 rows selected