1. For each employee, display the employee's last name, and calculate the number of months between today and the date the employee was hired. Label the column MONTHS_WORKED. Order your results by the number of months employed. Round the number of months up to the closest whole number.

SELECT LAST_NAME,ROUND(MONTHS_BETWEEN(SYSDATE,HIRE_DATE)) AS "MONTHS_WORKED" FROM EMPLOYEES ORDER BY MONTHS_WORKED;

2. Write a query that produces the following for each employee:

<employee last name> earns <salary> monthly but wants <3 times

salary>. Label the column Dream Salaries.

SELECT LAST_NAME,SALARY,(SALARY*3) AS "DREAM SALARY" FROM EMPLOYEES;

3. Create a query to display the last name and salary for all employees. Format the salary to be 15 characters long, left-padded with $. Label the column SALARY.

SELECT LAST_NAME,LPAD(SALARY,15,'$') AS "SALARY" FROM EMPLOYEES;

4. Display each employee's last name, hire date, and salary review date, which is the first Monday after six months of service. Label the column REVIEW. Format the dates to appear in the format similar to "Monday, the Thirty-First of July, 2000."

WITH E1 AS (SELECT LAST_NAME,HIRE_DATE,ADD_MONTHS(HIRE_DATE,6) AS "REVIEW_DATE" FROM EMPLOYEES)

SELECT LAST_NAME,HIRE_DATE,TO_CHAR((NEXT_DAY(REVIEW_DATE,'MONDAY')),'DAY') AS "DAY",NEXT_DAY(REVIEW_DATE,'MONDAY') AS "SALARY REVIEWED DATE" FROM E1 ;

5. Display the last name, hire date, and day of the week on which the employee started. Label the column DAY. Order the results by the day of the week starting with Monday.

SELECT LAST_NAME,HIRE_DATE,TO_CHAR(HIRE_DATE,'DAY') AS "DAY" FROM EMPLOYEES ORDER BY DAY ASC;

6. Create a query that displays the employees' last names and commission amounts. If an employee does not earn commission, put "No Commission." Label the column COMM.

CREATE TABLE E3 AS (SELECT LAST_NAME,SALARY,COMMISSION_PCT FROM EMPLOYEES)

SELECT LAST_NAME,NVL(COMMISSION_PCT,0) AS "NO_COMMISSION" FROM E3

UPDATE E3 SET NVL(COMMISSION_PCT,0) = 'NO_COMMISSION' WHERE NVL(COMMISSION_PCT,0) = '0'

7. Create a query that displays the employees' last names and indicates the amounts of their annual salaries with asterisks. Each asterisk signifies a thousand dollars. Sort the data in descending order of salary. Label the column EMPLOYEES_AND_THEIR_SALARIES.

SELECT LAST_NAME,LPAD(SALARY,6,'$'),(SALARY*12) AS "EMPLOYEES AND THEIR SALARIES" FROM EMPLOYEES ORDER BY SALARY DESC;