The HR department needs a report to display the employee number, last name, salary, and salary increased by 15.5% (expressed as a whole number) for each employee. Label the column New Salary

#### Solution:

```
SQL'select employee_id,last_name_salary,
2 NOUND(salary*0.155,0) "New Salary*
3 From employees;

EMPLOYEE_ID LAST_NAME

SALARY New Salary

190 King 24000 3720
191 Kochhar 17000 2635
192 De Haan 17000 2635
193 De Haan 17000 2635
194 Christ 6000 930
195 Austin 4800 744
196 Austin 4800 744
197 Lorentz 4200 651
198 Greenberg 12008 1861
199 Faviet 9800 1395
110 Chen 8200 1395
111 Chen 8200 1395
112 Clarra 7700 1104
112 Urman 7800 1209
113 Popp 6000 1070
114 Raphaely 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17001 17
```

### Q2:

The HR department wants to find the duration of employment for each employee. For each employee, display the last name and calculate the number of months between today and the date on which the employee was hired. Label the column as MONTHS\_WORKED. Order your results by the number of months employed. Round the number of months up to the closest whole number.

## Q3:

Create a query to display the last name and the number of weeks employed for all employees in department 90. Label the number of weeks column as TENURE. Truncate the number of weeks value to 0 decimal places. Show the records in descending order of the employee's tenure

#### Q4:

Using the DECODE function, write a query that displays the grade of all employees based on the value of the column JOB\_ID, using the following data: Job Grade AD\_PRES A ST\_MAN B IT\_PROG C SA\_REP D ST\_CLERK E None of the above 0

```
QL> select job_id,
2 decode(job_id,
3 'ST_CLERK','E',
4 'SA_REP','D',
5 'ST_MAN','B',
6 'IT_PROG','C',
7 'AD_PRES','A',
8 '0') GRADE
9 from employees:
    8 '0') GRADE
9 from employees;
JOB_ID
AD_PRES
AD_VP
                           A 0 0 0 0 0 0 0
AD_VP
IT_PROG
IT_PROG
IT_PROG
IT_PROG
IT_PROG C
FI_MGR 0
FI_ACCOUNT 0
FI_ACCOUNT 0
JOB_ID
FI_ACCOUNT 0
FI_ACCOUNT 0
FI_ACCOUNT 0
PU_MAN
PU_CLERK
PU_CLERK
PU_CLERK
                           0
                           0000
PU_CLERK
PU_CLERK
ST_MAN
ST_MAN
JOB_ID
                            G
ST_MAN
ST_MAN
                            B
B
ST_MAN
ST_CLERK
ST_CLERK
ST_CLERK
```

## Q5:

Solution:

```
SQL'select job_id, count(*)
2 from employees
3 group by job_ids
300_ID COUNT(*)
TI PRODE
5
AC_PER 1
CAMPA 1
AC_PER 1
AC_PER 1
AC_PER 1
AC_PER 2
AC_PER 2
AC_PER 3
AC_PER 3
AC_PER 3
AC_PER 4
AC_PER 4
AC_PER 4
AC_PER 5
AC_PER 5
AC_PER 5
AC_PER 5
AC_PER 6
AC_PER 7
AC_
```

## Q6:

Determine the number of managers without listing them. Label the column as Number of Managers. Hint: Use the MANAGER\_ID column to determine the number of managers

```
SQL> select count(distinct manager_id) "Number of Managers"

2 from employees;

Number of Managers

18

SQL>
```

## Q7:

Create a report to display the manager number and the salary of the lowest-paid employee for that manager. Exclude anyone whose manager is not known. Exclude any groups where the minimum salary is \$6,000 or less. Sort the output in descending order of salary.

# Q8:

Create a query to display the total number of employees and, of that total, the number of employees hired in 1995, 1996, 1997, and 1998. Create appropriate column headings.

```
SQL select count(*) total.

2 condiccos(TC CM8(int, date, "YY"),1995,1,0)]*1995,

3 condiccos(TC CM8(int, date, "YY"),1995,1,0)]*1997,

4 condiccos(TC CM8(int, date, "YY"),1997,1,0)]*1997,

5 condiccos(TC CM8(int, date, "YY"),1997,1,0)]*1997,

6 from enables(Tctir_select, "YY"),1997,1,0)]*1997,

6 from enables(Tctir_select, "YY"),1997,1,0)]*1998,

107 0 0 0 0

SQL>
```