

Practice 3

1. Write a query to display the current date. Label the column Date.

```
Date
-----
28-OCT-97
```

2. Display the employee number, name, salary, and salary increase by 15% expressed as a whole number. Label the column New Salary. Save your SQL statement to a file named *p3q2.sql*.

3. Run your query in the file *p3q2.sql*.

```
EMPNO ENAME      SAL New Salary
-----
7839 KING        5000      5750
7698 BLAKE       2850      3278
7782 CLARK       2450      2818
7566 JONES       2975      3421
7654 MARTIN     1250      1438
7499 ALLEN       1600      1840
7844 TURNER     1500      1725
7900 JAMES       950       1093
7521 WARD        1250      1438
7902 FORD        3000      3450
7369 SMITH       800       920
7788 SCOTT       3000      3450
7876 ADAMS      1100      1265
7934 MILLER     1300      1495
```

14 rows selected.

4. Modify your query *p3q2.sql* to add an additional column that will subtract the old salary from the new salary. Label the column Increase. Rerun your query.

```
EMPNO ENAME      SAL New Salary Increase
-----
7839 KING        5000      5750      750
7698 BLAKE       2850      3278      428
7782 CLARK       2450      2818      368
7566 JONES       2975      3421      446
```

Practice 3 (continued)

7. Write a query that produces the following for each employee:
 <employee name> earns <salary> monthly but wants <3 times salary>. Label the column

Dream Salaries.

```
Dream Salaries
-----
KING earns $5,000.00 monthly but wants $15,000.00.
BLAKE earns $2,850.00 monthly but wants $8,550.00.
CLARK earns $2,450.00 monthly but wants $7,350.00.
JONES earns $2,975.00 monthly but wants $8,925.00.
MARTIN earns $1,250.00 monthly but wants $3,750.00.
ALLEN earns $1,600.00 monthly but wants $4,800.00
TURNER earns $1,500.00 monthly but wants $4,500.00.
JAMES earns $950.00 monthly but wants $2,850.00.
WARD earns $1,250.00 monthly but wants $3,750.00.
FORD earns $3,000.00 monthly but wants $9,000.00.
SMITH earns $800.00 monthly but wants $2,400.00.
SCOTT earns $3,000.00 monthly but wants $9,000.00.
ADAMS earns $1,100.00 monthly but wants $3,300.00
MILLER earns $1,300.00 monthly but wants $3,900.00.
```

14 rows selected.

If you have time, complete the following exercises.

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

```
ENAME          SALARY
-----
SMITH          $$$$$$$$$$$$800
ALLEN          $$$$$$$$$$$$1600
WARD           $$$$$$$$$$$$1250
JONES          $$$$$$$$$$$$2975
MARTIN         $$$$$$$$$$$$1250
BLAKE          $$$$$$$$$$$$2850
CLARK          $$$$$$$$$$$$2450
SCOTT          $$$$$$$$$$$$3000
KING           $$$$$$$$$$$$5000
TURNER         $$$$$$$$$$$$1500
ADAMS          $$$$$$$$$$$$1100
JAMES          $$$$$$$$$$$$950
FORD           $$$$$$$$$$$$3000
MILLER         $$$$$$$$$$$$1300
```

Practice 3 (continued)

9. Write a query that will display the employee's name with the first letter capitalized and all other letters lowercase and the length of their name, for all employees whose name starts with J, A, or M. Give each column an appropriate label.

```
Name      Length
-----  -
Jones      5
Martin     6
Allen      5
James      5
Adams      5
Miller     6
6 rows selected.
```

10. Display the 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.

```
ENAME      HIREDATE   DAY
-----  -
MARTIN     28-SEP-81 MONDAY
CLARK      09-JUN-81 TUESDAY
KING       17-NOV-81 TUESDAY
TURNER     08-SEP-81 TUESDAY
SMITH      17-DEC-80 WEDNESDAY
ADAMS      12-JAN-83 WEDNESDAY
JONES      02-APR-81 THURSDAY
FORD       03-DEC-81 THURSDAY
SCOTT      09-DEC-82 THURSDAY
JAMES      03-DEC-81 THURSDAY
ALLEN      20-FEB-81 FRIDAY
BLAKE      01-MAY-81 FRIDAY
MILLER     23-JAN-82 SATURDAY
WARD       22-FEB-81 SUNDAY
14 rows selected
```