

practice 10

1. Create the DEPARTMENT table based on the table instance chart given below. Enter the syntax in a script called *p10q1.sql*, then execute the script to create the table. Confirm that the table is created.

| Column Name | Id | Name |
|--------------|--------|----------|
| Key Type | | |
| Nulls/Unique | | |
| FK Table | | |
| FK Column | | |
| Datatype | Number | Varchar2 |
| Length | 7 | 25 |

| Name | Null? | Type |
|-------|-------|---------------|
| ----- | ----- | ----- |
| ID | | NUMBER (7) |
| NAME | | VARCHAR2 (25) |

2. Populate the DEPARTMENT table with data from the DEPT table. Include only columns that you need.
3. Create the EMPLOYEE table based on the table instance chart given below. Enter the syntax in a script called *p10q3.sql*, and then execute the script to create the table. Confirm that the table is created.

| Column Name | ID | LAST_NAME | FIRST_NAME | DEPT_ID |
|--------------|--------|-----------|------------|---------|
| Key Type | | | | |
| Nulls/Unique | | | | |
| FK Table | | | | |
| FK Column | | | | |
| Datatype | Number | Varchar2 | Varchar2 | Number |
| Length | 7 | 25 | 25 | 7 |

| Name | Null? | Type |
|------------|-------|---------------|
| ----- | ----- | ----- |
| ID | | NUMBER (7) |
| LAST_NAME | | VARCHAR2 (25) |
| FIRST_NAME | | VARCHAR2 (25) |
| DEPT_ID | | NUMBER (7) |

Practice 10 (continued)

4. Modify the EMPLOYEE table to allow for longer employee last names. Confirm your modification.

| Name | Null? | Type |
|------------|-------|---------------|
| ----- | ----- | ----- |
| ID | | NUMBER (7) |
| LAST_NAME | | VARCHAR2 (50) |
| FIRST_NAME | | VARCHAR2 (25) |
| DEPT_ID | | NUMBER (7) |

5. Confirm that both the DEPARTMENT and EMPLOYEE tables are stored in the data dictionary. (Hint: USER_TABLES)

| TABLE_NAME |
|------------|
| ----- |
| DEPARTMENT |
| EMPLOYEE |

6. Create the EMPLOYEE2 table based on the structure of the EMP table, include only the EMPNO, ENAME and DEPTNO columns. Name the columns in your new table ID, LAST_NAME and DEPT_ID, respectively.
7. Drop the EMPLOYEE table.
8. Rename the EMPLOYEE2 table to EMPLOYEE.
9. Add a comment to the DEPARTMENT and EMPLOYEE table definitions describing the tables. Confirm your additions in the data dictionary.