Practice 11

1. Add a table level PRIMARY KEY constraint to the EMPLOYEE table using the ID column. The constraint should be enabled at creation.

2. Create a PRIMARY KEY constraint on the DEPARTMENT table using the ID column. The constraint should be enabled at creation.

3. Add a foreign key reference on the EMPLOYEE table that will ensure that the employee is not assigned to a nonexistent department.

4. Confirm that the constraints were added by querying USER_CONSTRAINTS. Note the types and names of the constraints. Save your statement text in a file called p11q4.sql.

```
CONSTRAINT_NAME                    C
-------------------------------    --
DEPARTMENT_ID_PK                   P
EMPLOYEE_ID_PK                     P
EMPLOYEE_DEPT_ID_FK                R
```

5. Display the object names and types from the USER_OBJECTS data dictionary view EMPLOYEE and DEPARTMENT tables. You may want to format the columns for readability. Notice that the new tables and a new index were created.

```
OBJECT_NAME              OBJECT_TYPE
-------------------      -----------
DEPARTMENT               TABLE
DEPARTMENT_ID_PK         INDEX
EMPLOYEE                 TABLE
EMPLOYEE_ID_PK           INDEX
```

If you have time, complete the following exercises.

6. Modify the EMPLOYEE table. Add a SALARY column of NUMBER data type, precision 7.