

EXERCISE-1

Creating and Managing tables

1. Create the DEPT table based on the DEPARTMENT following the table instance chart below. Confirm that the table is created.

```
CREATE TABLE DEPT (  
    dept_id NUMBER(7),  
    dept_name VARCHAR2(25)  
);
```

Table created.

0.03 seconds

2. Create the EMP table based on the following instance chart. Confirm that the table is created.

```
CREATE TABLE EMP (  
    emp_id NUMBER(7),  
    last_name VARCHAR2(25),  
    first_name VARCHAR2(25),  
    dept_id NUMBER(7)  
);
```

Table created.

0.02 seconds

3. Modify the EMP table to allow for longer employee last names. Confirm the modification (Hint: Increase the size to 50)

```
ALTER TABLE EMP MODIFY (last_name VARCHAR2(50));
```

Table altered.

0.03 seconds

4. Create the EMPLOYEES2 table based on the structure of EMPLOYEES table. Include Only the Employee_id, First_name, Last_name, Salary and Dept_id coloumns. Name the columns Id, First_name, Last_name, salary and Dept_id respectively.

```
Create table EMPLOYEES2 (  
  id number(7),  
  first_name varchar2(20),  
  last_name varchar2(25),  
  salary number(8,2),  
  dept_id number(4)  
);
```

Table created.

0.02 seconds

5. Drop the EMP table.

```
DROP table EMP;
```

Table dropped.

0.04 seconds

6. Rename the EMPLOYEES2 table as EMP.

```
ALTER TABLE EMPLOYEES2 RENAME TO EMP;
```

Table altered.

0.02 seconds

7. Add a comment on DEPT and EMP tables. Confirm the modification by describing the table.

```
COMMENT ON TABLE DEPT IS 'Table containing department details';  
COMMENT ON TABLE EMP IS 'Table containing employee details';
```

Statement processed.

0.01 seconds

8. Drop the First_name column from the EMP table and confirm it.

```
ALTER TABLE EMP DROP COLUMN first_name;
```

Table altered.

0.04 seconds