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.

```sql
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.

```sql
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)

```sql
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
```