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