**Lab 2**

**To learn DDL commands (Create, Alter and Drop Commands)**

1. Create the tables as per schema:-

CREATE TABLE DEPARTMENT (

D\_NAME varchar2(50),

D\_LOCATION varchar2(20),

FACILITIES varchar2(50))

CREATE TABLE DOCTOR (

DOC\_ID varchar2(5),

DEPARTMENT varchar2(50))

CREATE TABLE PATIENT (

P\_ID varchar2(5),

P\_NAME varchar2(50),

P\_AGE number(2),

P\_SEX varchar2(1),

P\_ADDRESS varchar2(50),

P\_CITY varchar2(20),

P\_CONTACT number(10),

P\_CHECKUP\_DATE date,

P\_DIAGNOSIS varchar2(50),

P\_REFDOC varchar2(5),

DEPARTMENT varchar2(50))

CREATE TABLE ROOM\_DETAILS (

ROOM\_NO number(5),

R\_TYPE varchar2(10),

R\_STATUS varchar2(1),

P\_ID varchar2(5),

DAILY\_CHARGE number(5))

CREATE TABLE DOC\_REG (

DOC\_ID varchar2(50),

DOC\_NAME varchar2(50),

QUALIFICATION varchar2(20),

SALARY number(10),

CONTACT\_NO number(10),

DOJ date)

CREATE TABLE DOC\_ON\_CALL (

DOC\_ID varchar2(50),

DOC\_NAME varchar2(50),

QUALIFICATION varchar2(20),

FEE\_PER\_CALL number(5),

CONTACT\_NO number(10))

CREATE TABLE PAT\_CHECKUP (

P\_ID varchar2(5),

DOC\_ID varchar2(50),

P\_DIAGNOSIS varchar2(50),

STATUS varchar2(25),

TREATMENT varchar2(50))

CREATE TABLE PAT\_ADMIT (

P\_ID varchar2(5),

DOC\_ID varchar2(50),

P\_DIAGNOSIS varchar2(50),

STATUS varchar2(25),

TREATMENT varchar2(50),

ADMT\_ON date,

ROOM\_NO number(5))

CREATE TABLE PAT\_DISCHRG (

P\_ID varchar2(5),

DOC\_ID varchar2(50),

P\_DIAGNOSIS varchar2(50),

TRMNT\_GVN varchar2(50),

PYMNT number(10),

DSCHRG\_ON date)

CREATE TABLE PAT\_REG (

P\_ID varchar2(5),

DATE\_VISIT date,

DIAGNOSIS varchar2(50),

TREATMENT varchar2(50),

MEDICINES\_RECMND varchar2(50))

CREATE TABLE PAT\_OPR (

P\_ID varchar2(5),

DOC\_ID varchar2(50),

DATE\_ADMIT date,

DATE\_OPR date,

OPRTN\_TYPE varchar2(5),

OPTH\_NO varchar2(5))

1. Apply the alter command to make the following changes to the tables:-
2. Add constraint for Department Table: d\_name as primary key.
3. Add constraint for Department and Doctor Table: doc\_id as primary key constraint in Doctor Table and department as foreign key constraint referencing d\_name from Department Table.
4. Add constraint for **Patient** Table: **p\_id** as primary key constraint, **department** as foreign key constraint referencing d\_name from Department Table and **p\_refdoc** as foreign key constraint referencing doc\_id from Doctor Table.
5. Implement a constraint in Pat\_dischrg table to ensure the Payment cannot be Null.
6. Implement a constraint in **Room\_details** table so that Room status is either ‘Y’ or ‘N’.
7. Implement a constraint in **Pat\_admit** table to make Admt\_on as Not Null.
8. Alter table **Doc\_on\_call** table so that fee per call cannot be more than 2000.
9. Implement a constraint in **Doc\_reg** table to make date of joining cannot be before 2000.
10. Implement a constraint on **Doc\_on\_call** to make qualification MBBS as default.
11. Modify Patient Details to make Contact Number and Age as Not Null.
12. Write a drop command to drop a table.