```
traditional patabase model
Aim: To perfam (DDL) data definition longuege
and come) papa Manipulation language command.
     Cammands:
     create rename
     Drep
     After
     Trancate
     commands:
     Insert
     Update
                        1280
     Delete
     Select
     commands:
creating a table by using create commands
CREATE TABLE Student (
        stu-id into
        stu-name varchar (30),
        stu-department barchar (0),
        stu - gerder varchar (s),
        stu-ph.no int:);
       ALTER command we can add
         the column.
 remore
```

Task 2-1: Generating design of commands other

SYNTAX:

AFTER Table student ADD column studged

DROP! DROP command is used to drop
the table completely DROP TABLE student

TRUNICATE: TRUNICATE command is used to remove all data but keep shoutures TRUNICATE TABLE

STUDENT.

TRUNICATE TABLE STUDENT

DML COMMANDS ...

INSERT: Insort command is used to insort the values to the table

TINSERT INTO STUDENT VALUES

(28481, "Jogarnodkam", 'CSE", male ', 868081)

100

1 64(\$

(29511 , Krishna', (SE', male', 432578)

SELECT: Retrives data from one or more

tables

-

SELECT \* FROM BOOKS;

UPDATE: Radiation existing data in a toble

591.

UPDATE Books SET Price = 450.00 WHERE

Title = 1 wings of Fire;

| Output | 1 |    |          |           |         |
|--------|---|----|----------|-----------|---------|
| 12,31  | * | 1. | The said | with many | I a har |

|                | Book ID  | 41416             | A cul  | la.         | Price |
|----------------|----------|-------------------|--------|-------------|-------|
| (signal)       | 4 77 190 | The AZ   Chamist, | Paulo  | ortho.      | 8330  |
| 30 1 5 7 7 1 7 | 5 ·      | भारत की साह       | A.C.OA | tidul Kolan | 40000 |
|                | 3.       | <del>1</del> 984  |        | Orusoll.    | MAG   |

pint

## Doyport ,

| BOOK 1D | 77460         | Author        | Price  |
|---------|---------------|---------------|--------|
| 1 '     | The Alabamist | Poulo collo   | 35000  |
| 2.      | corps of thre | ADD. NEDW KOD | 45000  |
| 3 ,     | વિષ્ઠ4        | cheage and    | 2-1100 |

## Octput.

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|-----|---------|----------------|-------------------|-----------|
|     | BOOK JD | ritte          | huthor            | ito Price |
|     | 2.      | ways of fire   | AD-J. Abdel 100km | M disiono |
|     | 2.      |                | Creof & Or coell  | 29100     |
| -   |         | Col respect to |                   | 1         |

## Ocupped:

| BOOK 820   | Title | guther      | Price        |
|------------|-------|-------------|--------------|
| <b>Q</b> . | (184  | George Doud | 2100<br>2100 |
|            |       |             |              |

| and the state of t |              |                     |                             |
|--|--------------|---------------------|-----------------------------|
| Cemmend  | type.        | Command.            | Des cription                |
| DD L   | 901          | CREATE Plate 19 914 | Create                      |
| voiner of PDL  | oi b         | DESC 1733 person    | show took fruction          |
| DDI  |              | tousho PROP Wil     | Delete<br>fabes             |
| PDI  |              | ACTER               | Madifies<br>table           |
| DML  |              | INSERT 2000         | recordly                    |
| DMC  |              | SECECT of           | records                     |
| ('mage alon',  |              | PPATE Superalisa    | Modifies<br>enlshing record |
| ( RPTSEA . SIE DM  | ુ જુ         | Cansi Braja Aghard  | Remove<br>records.          |
| DWM D  | J( 43 ( 32)3 | 1) alab lapistar    | 1 1 1 1                     |

Output ?

row updated.

Sq 1 : SELECT \* FROM Books

DELETE: DELETE FROM BOOKS WHERE BOOK

30 =1 ,

Output :

1 row deleted

Sql : SELECT \* From Body;

SELECT with WHERE claye

petrites specific records that sofisty the

condition

Sql! SELECT & FROM BOOKS WHERE ANTHOR

= Greage ars.

| VEL TECH - C            | *)    |
|-------------------------|-------|
| E X NO.                 | 22    |
| PERFORMANCE (5)         | 5     |
| RESULT AND ANALYSIS (5) | 5     |
| VIVA VOCE (5)           | 2     |
| RECORD (5)              | 12    |
| OTAL (20)               |       |
| GN WITH DATE            | 100   |
|                         | 18/01 |
|                         | Υ,    |

Result: The task to create, delate,

table and . Dml commands adder

executed successfully.

```
and one commands
: DDL
        constraints
```

DDL (data definition language) -> CREATE, 'ALTER , DROP TRUNCATE , RENAME

DML (Data Manipulation language) -> INSERT, UPPATE , DELETE , SELECT

Constraints -> PRIMARY KEY, FOREIGN KEY, NOT HULL , UNIQUE , CHECK , DEFAULT .

1. DPL commands for hospital management system

1.1 CREATE TABLE

CREATE TABLE Patient (

Patient ID INT Primary key, patient Name VARChar (50) NOT NULL, Gender - char (1) check (gender In M', F')),

Age, NT check (Age >0),

contact number varchar (15) unique Address VARCHAR (100),

CREATE TABLE DOCTOR (

34;

1:

DOCTOR ID INT Primary key, doctor Name VARCHAR (50) NOT NULL, Specialization VARCHAR (50), number VARCHAR (15) unique Phone

CREATE TABLE Appointment (
Appointment ID INT Primary key,
Postient ID INT Primary key,
Dodor INT NOT NULL,
Appointment date default

CURRENT - DATE

diagneris VAR (HAR (200),
Foseign key (patient ID) References

Patient (Patient ID),

Foreign key (doctor ID) References

doctor (doctor ID)

);

1.2 ALTER TABLE:

ALTER TABLE Potient ADD Email VARCHAR (50);

ALTER TABLE Potient MODIFY contact number

VARCHAR (20);

1.3 TRUNCATE TABLE

TRUNCATE TABLE Appointment;

Result: All tows removed from appointment table,

structure remains.

I.A RENAME TABLE

RENAME TABLE Position To positions;

2 DML commands for hospital management system

2.1 INSERT DATA

TNSERT INTO partients (Patient ID, Potient Nome, gender, Age, contactnumber, Address, Email)

VALUES (1, 'John Doe', 'M', 35, '98.76545210', New delhi', 'John @gmail.com');

INSERT INTO doctor (doctor ID, doctor nomo, Specilization; phone number)

Walvey (101, Dr. Mæne Skaame!, 'andiologist', 9123456789');

INSERT INTO Appointment (Appointment ID, patient 20, doctor ID, Appointment date, diagnosis)

Values (1001, 1101, '2025 - 08-15', 'Mild dist poin');

Result: Records inserted successfully.

2.2 UPDATE DATA

uppare potient

SET Age = 36, Address = 'Mumbai'.

WHERE Potient IDal;

Result: John - Doe's age updated to 36 and address danged to Mumbai.

2.3 DELETE BATA

DELETE FROM Appointment

WHERE Appointment with 101001 alrelated.

Result: Appointment with ID 1001 deleted.

SELECT DATA 24

SELECT P. patient Name, d. doctor Name, a. Appointment date , a . diagnosis FROM Appointment

> PERFORMANCE (5' RESULT AND ANALYSIS VIVA VOCE (5) RECORD (5)

Result: All DDL and DMC Commands executed Successfully with constraints are executed successfully