**EXPERIMENT 7**

In this week you are going to practice queries (along with sub queries) using ANY, ALL, IN, Exists, NOT EXISTS, UNION, INTERSECT, Constraints etc.

1. **Display unique PNR\_no of all passengers.**
2. **Display all the names of male passengers.**
3. **Display the ticket numbers and names of all the passengers.**
4. **Find the ticket numbers of the passengers whose name start with ‘r’ and ends with ‘h’.**
5. **Find the names of passengers whose age is between 30 and 45.**
6. **Display all the passengers names beginning with ‘A’**
7. **Display the sorted list of passengers names**

**QUERY:**

CREATE SCHEMA 19WH1A1266;

USE 19WH1A1266;

CREATE TABLE Bus(bus\_no VARCHAR(20),Sources VARCHAR(20),Destination VARCHAR(20));

INSERT INTO Bus VALUES('TS123','Hyderabad','Chennai');

INSERT INTO Bus VALUES('TS124','kadapa', 'mydukuru');

INSERT INTO Bus VALUES('TS125','kurnool', 'Chennai');

INSERT INTO Bus VALUES('TS126','Hyderabad','banglore');

SELECT \* FROM Bus;

DELETE FROM Bus b WHERE b.Sources ='Hyderabad';

SELECT \* FROM Bus;

UPDATE Bus SET Destination ='Tirupati' WHERE bus\_no = 'TS123';

SELECT \* FROM Bus;

CREATE TABLE Passengers(P\_name VARCHAR(20),P\_id INT,Gender VARCHAR(20),Age INT,P\_destination VARCHAR(20));

INSERT INTO Passengers VALUES('Seetha',123,'Female',25,'Bharagiri');

INSERT INTO Passengers VALUES('Ramayaih',741,'male',45,'Banglore');

INSERT INTO Passengers VALUES('Navya',456,'Female',20,'kadapa');

INSERT INTO Passengers VALUES('Ravi',852,'male',32,'chennai');

SELECT \* FROM Passengers;

DELETE FROM Passengers P WHERE P\_name = 'Navya';

SELECT \* FROM Passengers;

UPDATE Passengers SET P\_name ='Ramesh' WHERE P\_id = '852';

SELECT \* FROM Passengers;

CREATE TABLE Ticket(T\_id int, Sources VARCHAR(20), Destination VARCHAR(20),P\_id int);

INSERT INTO Ticket VALUES(1,'Hyderabad','banglore',123);

INSERT INTO Ticket VALUES(2,'Kadapa','chennai',741);

INSERT INTO Ticket VALUES(3,'Kurnool','chennai',456);

INSERT INTO Ticket VALUES(4,'Hyderabad','Bharagiri',852);

SELECT DISTINCT P.P\_id FROM Passengers P ;

SELECT P.P\_name FROM Passengers P WHERE P.Gender = 'male';

SELECT T.T\_id,P.P\_name FROM Ticket T,Passengers P WHERE P.P\_id = T.P\_id;

SELECT T.T\_id FROM Ticket T ,Passengers P WHERE P.P\_name LIKE 'R%h' AND P.P\_id = T.T\_id ;

SELECT P.P\_name FROM Passengers P WHERE P.Age >= 30 AND P.Age <= 45;

SELECT P.P\_name FROM Passengers P WHERE P.P\_name LIKE 'A%';

SELECT P.P\_name FROM Passengers P ORDER BY P\_name ASC;

**OUTPUT SCREENSHOT:**

