```sql
CREATE DATABASE Travego;
USE Travego;

CREATE TABLE Price (
    ID INT1,
    Bus_type ENUM('Sleeper', 'Sitting'),
    Distance INT NOT NULL,
    Price INT NOT NULL,
    PRIMARY KEY (ID)
);

CREATE TABLE Passenger (
    Passenger_id INT1,
    Passenger_name VARCHAR(30) NOT NULL,
    Category ENUM('AC', 'Non AC'),
    Gender ENUM('M', 'F'),
    Boarding_city VARCHAR(15) NOT NULL,
    Destination_city VARCHAR(15) NOT NULL,
    Distance INT NOT NULL,
    Bus_type ENUM('Sleeper', 'Sitting'),
    PRIMARY KEY (Passenger_id)
);


INSERT INTO Price VALUES(1,1,350,770),
(2,1,500,1100),
(3,1,600,1320),
(4,1,700,1540),
(5,1,1000,2200),
(6,1,1200,2640),
(7,1,1500,2700),
(8,2,500,620),
(9,2,600,744),
(10,2,700,868),
(11,2,1000,1240),
(12,2,1200,1488),
(13,2,1500,1860);


INSERT INTO Passenger VALUES(1,"Sejal",1,2,"Bengaluru","Chennai",350,1),
(2,"Anmol",2,1,"Mumbai","Hyderabad",700,2),
(3,"Pallavi",1,2,"Panaji","Bengaluru",600,1),
(4,"Khusboo",1,2,"Chennai","Mumbai",1500,1),
(5,"Udit",2,1,"Trivandrum","Panaji",1000,1),
(6,"Ankur",1,1,"Nagpur","Hyderabad",500,2),
(7,"Hemant",2,1,"Panaji","Mumbai",700,1),
(8,"Manish",2,1,"Hyderabad","Bengaluru",500,2),
(9,"Piyush",1,1,"Pune","Nagpur",700,2);
```

```sql
use travego;

/*a. How many female passengers traveled a minimum distance of 600 KMs?*/

SELECT
    COUNT(DISTINCT passenger_id) AS 'No of Passengers'
FROM
    passenger
WHERE
    Gender LIKE 'F' AND Distance <= 600;

/*b. Write a query to display the passenger details whose travel distance is greater
than 500 and
who are traveling in a sleeper bus.*/

SELECT
    *
FROM
    passenger
WHERE
    Distance > 500
        AND Bus_type LIKE 'Sleeper';

/*c. Select passenger names whose names start with the character 'S'.*/

SELECT
    passenger_name
FROM
    passenger
WHERE
    passenger_name LIKE 'S%';

/*d. Calculate the price charged for each passenger, displaying the Passenger name,
Boarding City,
Destination City, Bus type, and Price in the output. */

SELECT
    a.passenger_name,
    a.Boarding_city,
    a.Destination_city,
    a.Bus_type,
    b.Price
FROM
    passenger a
        JOIN
    price b ON a.Distance = b.Distance
        AND a.Bus_type = b.Bus_type;

/*e. What are the passenger name(s) and the ticket price for those who traveled 1000
KMs Sitting in
a bus?*/

SELECT
    a.passenger_name, b.Price
FROM
```

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    passenger a
        JOIN
    price b ON a.Distance = b.Distance
        AND a.Bus_type = b.Bus_type
WHERE
    a.Distance = 1000
        AND a.Bus_type LIKE 'Sitting';

/* f. What will be the Sitting and Sleeper bus charge for Pallavi to travel from
Bangalore to Panaji? */

SELECT
    a.passenger_name,
    a.Boarding_city,
    a.Destination_city,
    b.Bus_type,
    b.Price
FROM
    passenger a
        JOIN
    price b ON a.Distance = b.Distance
WHERE
    a.Passenger_name LIKE 'Pallavi';

/* g. Alter the column category with the value "Non-AC" where the Bus_Type is sleeper
*/

UPDATE passenger
SET
    Category = 'Non AC'
WHERE
    Bus_type = 'Sleeper';

SELECT
    *
FROM
    passenger;

/* h. Delete an entry from the table where the passenger name is Piyush and commit this
change in
the database. */

DELETE FROM passenger
WHERE
    Passenger_name = 'Piyush';

SELECT
    *
FROM
    passenger;

/* i. Truncate the table passenger and comment on the number of rows in the table
(explain if
required). */
```

```
truncate table passenger;

SELECT
    *
FROM
    passenger;

-- The truncate command deleted all rows of the column retaining only the schema of the
table.

/* j. Delete the table passenger from the database. */

drop table passenger;

show tables;
```