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# TRAVEGO SQL PROJECT
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```
-- TASK- 1
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```
-- 1. Creating the schema and required tables using MySQL workbench
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```
-- a. Create a schema named Travego and create the tables mentioned above  
with the mentioned column names. Also, declare the relevant datatypes for  
each feature/column in the dataset.
```

```
create database Travego;  
use Travego;
```

```
create table Passenger  
(  
    Passenger_id int primary key,  
    Passenger_name varchar(20),  
    Category varchar(20),  
    Gender varchar(20),  
    Boarding_City varchar(20),  
    Destination_City varchar(20),  
    Distance int,  
    Bus_Type varchar(20)  
);
```

```
create table Price  
(  
    id int primary key,  
    Bus_type varchar(20),  
    Distance int,  
    Price int  
);
```

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```
-- b. Insert the data in the newly created tables.
```

```
insert into Passenger (Passenger_id, Passenger_name, Category, Gender,  
Boarding_City, Destination_City, Distance, Bus_Type)  
values  
(1, 'Sejal', 'AC', 'F', 'Bengaluru', 'Chennai', 350, 'Sleeper'),  
(2, 'Anmol', 'Non-AC', 'M', 'Mumbai', 'Hyderabad', 700, 'Sitting'),  
(3, 'Pallavi', 'AC', 'F', 'Panaji', 'Bengaluru', 600, 'Sleeper'),  
(4, 'Khusboo', 'AC', 'F', 'Chennai', 'Mumbai', 1500, 'Sleeper'),  
(5, 'Udit', 'Non-AC', 'M', 'Trivandrum', 'Panaji', 1000, 'Sleeper'),  
(6, 'Ankur', 'AC', 'M', 'Nagpur', 'Hyderabad', 500, 'Sitting'),  
(7, 'Hemant', 'Non-AC', 'M', 'Panaji', 'Mumbai', 700, 'Sleeper'),  
(8, 'Manish', 'Non-AC', 'M', 'Hyderabad', 'Bengaluru', 500, 'Sitting'),  
(9, 'Piyush', 'AC', 'M', 'Pune', 'Nagpur', 700, 'Sitting');
```

```
select * from passenger;
```

```
insert into Price (Id,Bus_type, Distance, Price)  
values  
(1, 'Sleeper', 350, 770),  
(2, 'Sleeper', 500, 1100),  
(3, 'Sleeper', 600, 1320),
```

```

(4, 'Sleeper', 700, 1540),
(5, 'Sleeper', 1000, 2200),
(6, 'Sleeper', 1200, 2640),
(7, 'Sleeper', 1500, 2700),
(8, 'Sitting', 500, 620),
(9, 'Sitting', 600, 744),
(10, 'Sitting', 700, 868),
(11, 'Sitting', 1000, 1240),
(12, 'Sitting', 1200, 1488),
(13, 'Sitting', 1500, 1860);

```

```
select * from price;
```

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# TRAVEGO SQL PROJECT
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```
-- TASK- 2
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```
-- 2. Perform read operation on the designed table created in the above
task
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```
-- a. How many female passengers traveled a minimum distance of 600 KMs?
```

```
select count(*) as FemalePassengers from Passenger
where Gender = 'F' and Distance >= 600;
```

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```
-- 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 = 'sleeper';
```

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```
-- c. Select passenger names whose names start with the character 'S'.
```

```
select Passenger_name from Passenger
where Passenger_name like 's%';
```

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```

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

```
select
    P.Passenger_name,
    P.Boarding_City,
    P.Destination_City,
```

```

        P.Bus_Type,
        PR.Price
from Passenger P join Price PR
on P.Bus_Type = PR.Bus_Type and P.Distance = PR.Distance;

```

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```

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

```

```

select
    P.Passenger_name,
    PR.Price AS Ticket_Price
from Passenger P join Price PR
on P.Bus_Type = PR.Bus_Type and P.Distance = PR.Distance
where P.Distance = 1000 and P.Bus_Type = 'Sitting';

```

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```

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

```

```

select * from price
where distance = (select distance from passenger where passenger_name =
'pallavi');

```

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```

```

-- 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;

```

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```

-- 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;

```

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```

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

```

```

truncate table Passenger;
-- After executing this statement all rows in the "Passenger" table will
be deleted and the table will have zero rows.

```

```
select * from passenger;
```

```
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```

```
-- j. Delete the table passenger from the database
```

```
drop table Passenger;
```

```
-- Here we dropping the database travego;
```