

Travego Travelers

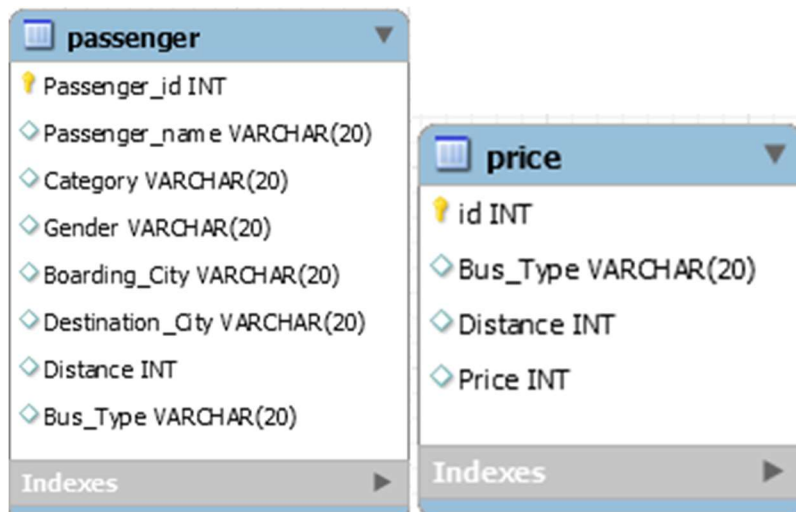
Introduction

Let's assume that you have to keep the record of the passengers and price to travel between two cities by bus, for types (Sitting and Sleeper).

Program Organization

The simple program is structured in various layers.

1. To give an insight we have two tables **Passenger** and **Price**. Please find the more details in the attached ER diagram.



2. Following is the sample data. Please insert this data in the table ***Passenger***. Do ensure that you have at least these data points available in the tables.

Passenger_id	Passenger_name	Category	Gender	Boarding_City	Destination_City	Distance	Bus_Type
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

Insert the following data in the table ***Price***

id	Bus_type	Distance	Price
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

Problem Statement

In this project you have to do the following activities...

- Create the two tables
 - Insert data in these tables
 - Retrieve the data from these tables based on the requirements mentioned below
1. **(Easy)** Creating the schema and required tables using sql script or using MySQL workbench UI
 - a. Create a schema named **Travego**.
 - b. Create the tables mentioned above with the mentioned column names.
 - c. Insert the data in the newly created tables using sql script or using MySQL UI.
 2. **(Medium)** Perform read operation on the designed table created in the above task using SQL script.
 - a. How many females and how many male passengers traveled a minimum distance of 600 KMs?
 - b. Find the minimum ticket price of a Sleeper Bus.
 - c. Select passenger names whose names start with character 'S'
 - d. Calculate price charged for each passenger displaying Passenger name, Boarding City, Destination City, Bus_Type, Price in the output
 - e. What are the passenger name(s) and the ticket price for those who traveled 1000 KMs Sitting in a bus?
 - f. What will be the Sitting and Sleeper bus charge for Pallavi to travel from Bangalore to Panaji?
 - g. List the distances from the "Passenger" table which are unique (non-repeated distances) in descending order.
 - h. Display the passenger name and percentage of distance traveled by that passenger from the total distance traveled by all passengers without using user variables

Expected files

1. SQL scripts for Table creation and data insertion in the table. **Task-1**
2. SQL scripts for all the select queries. **Task-2**.