

## Graded Assignment (Databases)

### Project: Travel On Mind

#### Problem Statement:-

Travel on Mind is a online Portal which deals with bus booking system. The team of developers are trying to prepare the database and trying to perform few actions on that. We need to provide the solution.

#### User Stories:-

- ✓ 1. How many female and how many male passengers travelled for a minimum distance of 600 KM s?
- ✓ 2. Find the minimum ticket price for Sleeper Bus.
- ✓ 3. Select passenger names whose names start with character 'S'.
- ✓ 4. Calculate price charged for each passenger displaying Passenger name, Boarding City, Destination City, Bus\_Type, Price in the output.
- ✓ 5. What is the passenger name and his/her ticket price who travelled in Sitting bus for a distance of 1000 KMs.
- ✓ 6. What will be the Sitting and Sleeper bus charge for Pallavi to travel from Bangalore to Panaji?
- ✓ 7. List the distances from the "Passenger" table which are unique (non-repeated distances) in descending order.
- ✓ 8. Display the passenger name and percentage of distance travelled by that passenger from the total distance travelled by all passengers without using user variables. sub query
- ✓ 9. Create a view to see all passengers who travelled in AC Bus.
- ✓ 10. Create a stored procedure to find total passengers traveled using Sleeper buses.
- ✓ 11. Display 5 records at one time

12. Create 1NF, 2NF and 3NF normal form of the blow data:-

Project Code	Project Name	Project Manager	Project Budget	Employee No.	Employee Name	Department No.	Department Name	Hourly Rate
PC010	Reservation System	Mr. Ajay	120500	S100	Mohan	D03	Database	21.00
PC010	Reservation System	Mr. Ajay	120500	S101	Vipul	D02	Testing	16.50
PC010	Reservation System	Mr. Ajay	120500	S102	Riyaz	D01	IT	22.00
PC011	HR System	Mrs. Charu	500500	S103	Pavan	D03	Database	18.50
PC011	HR System	Mrs. Charu	500500	S104	Jitendra	D02	Testing	17.00
PC011	HR System	Mrs. Charu	500500	S315	Pooja	D01	IT	23.50
PC012	Attendance System	Mr. Rajesh	710700	S137	Rahul	D03	Database	21.50
PC012	Attendance System	Mr. Rajesh	710700	S218	Avneesh	D02	Testing	15.50
PC012	Attendance System	Mr. Rajesh	710700	S109	Vikas	D01	IT	20.50

### Instructions:-

1. The solution should be submitted into data folder in the given repo

2. To run the script, please use source command.

Ex:- source G:/Assignment/Database/gradedassignment1/Mysql/Travel.sql;

3. Please submit the solution in **.sql format**.

4. Please make sure there should be **no compile time error** in the file. In case of compile time error 0 marks will be given.

5. The solution of **Q12** should be submitted in the pdf format.

6. There is no partial marking in this module.

### Grading Criteria:-

Please refer to the table below to get a better understanding of the grading criteria.

Implementation	MM	Total
Point 1 - Point 5	1	5
Point 6 - Point 11	2	12
Point 12	3	3
	Maximum Marks	20

### Boilerplate:-

<https://gitlab.com/hcl45/assignments/week5>