DATABASE MANAGEMENT SYSTEM

SYSTEM

LAB-6

AGGREGATE

FUNCTIONS

NAME: VISHWAS M

SRN   : PES2UG20CS390

SEC   : F

DATE : 01/10/2022

1) Find the average distance between subsequent stations for every train
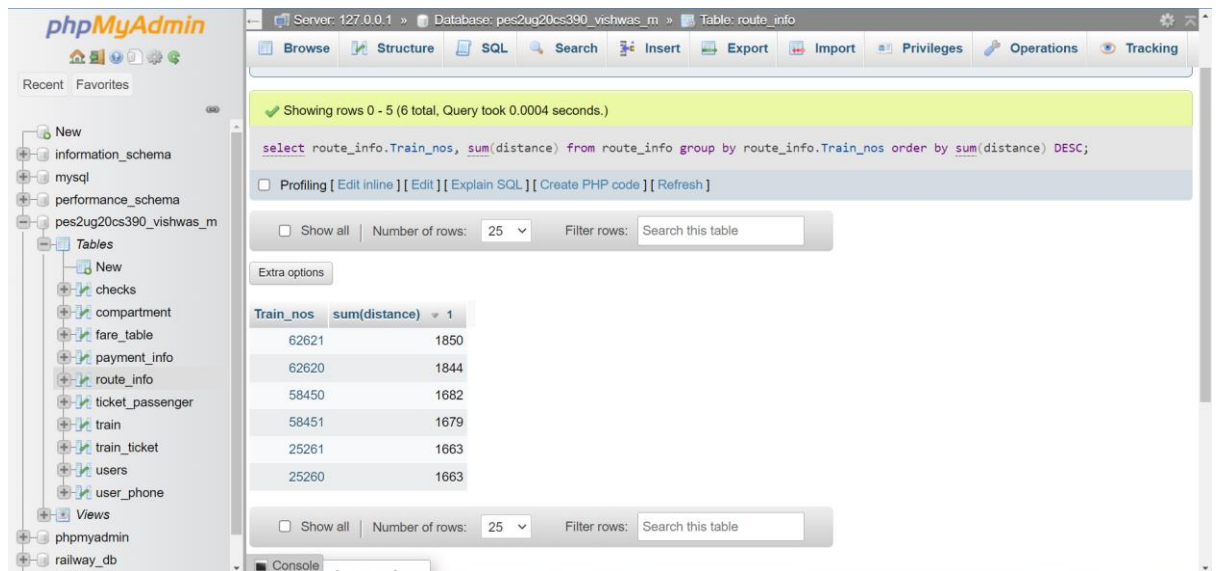
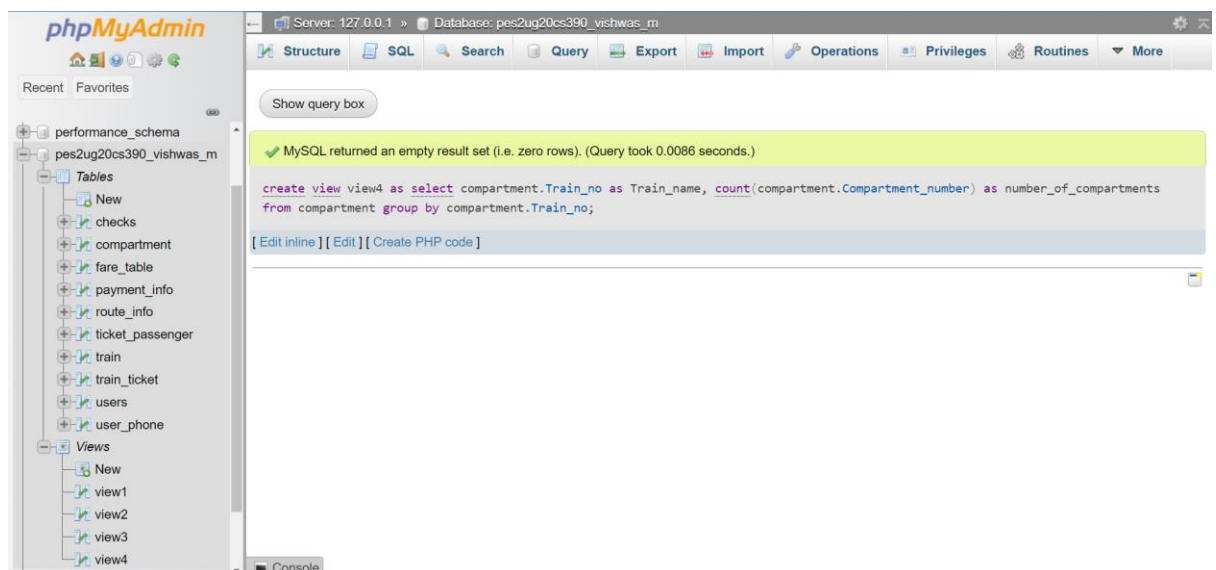2) Find the average distance between subsequent stations for every train and display them in descending order

3) Display the list of train numbers and the distance travelled by each in descending order of the distance travelled

4) List those trains that have maximum and minimum number compartments as train name and number of compartments

performance_schema
pes2ug20cs390_vishwas_m
  Tables
    New
    checks
    compartment
    fare_table
    payment_info
    route_info
    ticket_passenger
    train
    train_ticket
    users
    user_phone
  Views
    New
    view1
    view2
    view3
    view4

localhost/phpmyadmin/index.php?route=/navigation

Server: 127.0.0.1 » Database: pes2ug20cs390_vishwas_m » View: view4

Browse   Structure   SQL   Search   Export   Privileges   Operations   Tracking

SELECT * FROM `view4`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all   Number of rows: 25   Filter rows: Search this table

Extra options

Train_name	number_of_compartments
25260	3
25261	4
58450	4
58451	2
62620	2
62621	5

Show all   Number of rows: 25   Filter rows: Search this table

Query results operations

Console   Copy to clipboard   Export   Display chart   Create view

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performance_schema
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  Tables
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    view2
    view3
    view4

Server: 127.0.0.1 » Database: pes2ug20cs390_vishwas_m » View: view4

Browse   Structure   SQL   Search   Export   Privileges   Operations   Tracking

Showing rows 0 - 1 (2 total, Query took 0.0305 seconds.)

select Train_name, view4.number_of_compartments from view4 where view4.number_of_compartments in (select min(view4.number_of_compartments) from view4);

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all   Number of rows: 25   Filter rows: Search this table

Extra options

Train_name	number_of_compartments
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58451	2

Show all   Number of rows: 25   Filter rows: Search this table

Query results operations

Print   Copy to clipboard   Export   Display chart   Create view

Console

5) Display the number of phone numbers corresponding to the user_id(s) ADM_001, USR_006, USR_10

6) Find the average fare per km for each train type specified and display the train type and corresponding average fare per km as 'Avg_Fare' in decreasing order of Avg_Fare

7) Retrieve all details of the oldest passenger.

8) Count the number of passengers whose name consists of 'Ullal'. (Hint: Use the LIKE operator)