Data Management (CS 605), Jan-Apr 2020

Assignment 2   **Due date: 17/Jan/2021**

Please download the attached file (titanic.zip) and import the two csv file into MariaDB / MySQL .

The attached file has Data on passengers of the Titanic. Entries include the name, age, class, fare, gender, and whether or not the passenger survived the accident of Titanic.

> *Notes:*   *A blank entry for age means that the age is unknown*
>
> *Fare can have more than two digits because money was not base-10 at that time*

Write queries most efficient queries to solve the following problems

Problem 1. What characteristics are shared by all passengers whose fare is 0?

Problem 2. How many married women over age 50 embarked in Cherbourg? (Married women are denoted by "Mrs.")

Problem 3. Which embarkation city had the highest-paying passengers on average?

Problem 4. What is the most common last name among passengers? What is the average number of passengers per last name?

Problem 5. What's the survival rate for passengers in the three different classes, i.e., what fraction of passengers in each class survived?