Write SQL queries to answer the following questions

1. Retrieve the names of passengers who survived the Titanic disaster.

**SELECT Name**

**FROM sakila.titanic**

**WHERE Survived = 1;**

1. Find the names and ages of the five oldest survivors.

**SELECT Name, Age**

**FROM sakila.titanic**

**WHERE Survived = 1**

**ORDER BY Age DESC**

**LIMIT 5;**

1. Calculate the average age of passengers who did not survive, and also the

average age of passengers who survived, grouped by sex.

**SELECT Sex, Survived, AVG(Age) AS AverageAge**

**FROM sakila.titanic**

**GROUP BY Sex, Survived;**

1. Count the number of males and females

**SELECT Sex, COUNT(\*) AS Count**

**FROM sakila.titanic**

**GROUP BY Sex;**

1. Update the cabin class of a Futrelle, Mrs. Jacques Heath (Lily May Peel) to3rd class

**UPDATE sakila.titanic**

**SET Pclass = 3**

**WHERE Name = 'Futrelle, Mrs. Jacques Heath (Lily May Peel)';**

1. Delete all passengers who did not have a recorded age

**DELETE FROM sakila.titanic**

**WHERE Age IS NULL;**

1. Retrieve the names of passengers who survived and have siblings orspouses on board, along with the count of their siblings or spouses.

**SELECT p.Name, COUNT(sibsp.SiblingSpouse) AS SiblingSpouseCount**

**FROM** **sakila.titanic p**

**JOIN (**

**SELECT PassengerId, COUNT(\*) AS SiblingSpouse**

**FROM Passengers**

**WHERE SibSp > 0**

**GROUP BY PassengerId**

**) sibsp ON p.PassengerId = sibsp.PassengerId**

**WHERE p.Survived = 1**

**GROUP BY p.Name;**

1. Find the top 10 oldest passengers who did not survive, along with their agesand ticket numbers.

**SELECT Name, Age, Ticket**

**FROM sakila.titanic**

**WHERE Survived = 0**

**ORDER BY Age DESC**

**LIMIT 10;**

1. Calculate the survival counts for passengers in each cabin class (1st, 2nd,3rd), and display the results in descending order.

**SELECT Pclass, Survived, COUNT(\*) AS SurvivalCount**

**FROM sakila.titanic**

**GROUP BY Pclass, Survived**

**ORDER BY Pclass, SurvivalCount DESC;**