

IV M.Sc. Theoretical Computer Science –RDBMS Lab
Work Sheet – 1

- I) Access the link given below to download the Titanic ship data file, This data set describes the details of passengers who travelled on the Titanic.
<https://drive.google.com/file/d/1pjwqPT5Bz1JmugVgu0QKgDtN9X0CP6a6/view?usp=sharing>
- II) Define the Relational schema “Titanic” with appropriate column names and data types(refer oracle manual to fix data types). (CREATE TABLE)
- III) Populate the table with the first 25 records using insert statement. (Titanic.csv) (INSERT)
- IV) Create a new column named ‘Passenger type’ of string type (ALTER TABLE)
- V) Update the city name ‘Cherbourg’ by ‘Cherbourg-Octeville’ (UPDATE)
- VI) Update all the records to fill ‘passenger type’ column , considering the following conditions
- I) If fare is 0, then the person is a crew member , so fill ‘CREW’
 - II) Otherwise ‘PASSENGER
- VII) Write SQL ‘SELECT’ Statements for the following requirements.
1. Display all passengers first name, age, boarding station and the fare paid.
 2. Display the names and ages of all Passengers whose name start with 'A'
 3. List all the children details who aged below 10.
 4. Find the passengers who boarded Titanic from ‘Queenstown’
 5. List all female survivors of who boarded titanic at Southampton
 6. Find the passengers whose were aged between 50 and 70
 7. Display the names of passengers whose names contain up to 7 characters
 8. Get the number of passengers travelled in I class
 9. How many people survived?
 10. How many male and female passengers survived?
 11. For each class how many male and female passengers survived? Print the result in descending order of the count.
 12. Display the difference between highest and lowest fare. (exclude 0's)
 13. Find the number of male and female passengers boarded Titanic from Southampton
 14. Display the highest, lowest and average fares of passengers from Cherbourg
 15. Display the names of passengers whose ages were not known, list the names in alphabetical order.
 16. Maximum, minimum Total and average fare of each class
 17. Find the class in which more than 10 passengers travelled.
 18. Find the details of the youngest female survivor.
 19. List first class passengers name, class, age from youngest to oldest.

20. Find the death percentage of each gender category.
21. Who is the youngest male, oldest female from Queenstown
22. Print the details of the passenger of each class who paid the highest fare.
23. From which city more female travelers boarded the titanic?
24. In which class more than 10 passengers travelled?
25. Find the male passengers who were elder than the eldest female passengers of all 3 classes
26. Display the details of passengers who boarded from the same city.
27. Which gender category had more survivors?