MySQL Project :

Dataset : Titanic Dataset

Write SQL queries to retrieve and manipulate data for below questions :

1. Select all columns for all passengers in the Titanic dataset.

2. Display the number of passengers in each class (1st, 2nd, 3rd).

3. Find the number of male and female passengers.

4. Display the names of passengers who survived.

5. Find the average age of passengers.

6. List the names and ages of passengers who were younger than 18.

7. Display the number of passengers in each embarkation port (C, Q, S).

8. Find the highest fare paid by any passenger.

9. List the average age of passengers for each class.

10. Display the passenger names and ages for those who survived and were in 1st class.

11. Find the number of passengers who paid more than 50 for their ticket.

12. List the names of passengers who did not survive and were in 3rd class.

13. Find the number of passengers with missing values in the "Age" column.

14. Display the passenger names and ages for those who embarked at port 'S' and survived.

15. Calculate the total number of passengers on board.

16. List the average fare for each class.

17. Display the passenger names and ages for those with a known age and a fare greater than 100.

18. Find the percentage of passengers who survived.

19. List the names of passengers who were in 2nd class and had a fare less than 20.

20. Display the passenger names and ages for those who did not survive and were in 1st class.

21. Find the number of passengers for each combination of class and gender.

22. List the names of passengers who survived and were in 3rd class with an age less than 20.

23. Display the passenger names for those with the name starting with 'Mr.'

24. Find the average age of male and female passengers.

25. List the names of passengers who paid the highest fare.

26. Find the number of passengers for each embarkation port and class.

27. Display the passenger names and ages for those who survived and paid more than 200 for their ticket.

28. Find the average age of passengers who survived and those who did not.

29. List the names of passengers who were in 1st class and had an age greater than 50.

30. Display the passenger names for those with the name ending with 'sson'.