MySQL

1. Create a database named **SchoolDB**.
2. Use the SchoolDB database.
3. Create a table **students** with the following columns(id, Name, age, grade)
4. Insert 5 records into the students table.
5. Select all records from the students table.
6. Show students who are older than 14 years.
7. Show students in grade '10th'.
8. Update the age of onestudent to 17.
9. Delete the record of the student named onestudent.
10. Count the number of students in each grade.

1. Create a database named **CompanyDB**.
2. Create a table **employees** with the following fields(emp_id, emp_name, department, salary, hire_date)
3. Add a column email to the employees table.
4. Change datatype of salary to FLOAT.
5. Insert 5 records into the employees table.
6. Update salary of EMP_ONE to 47000.
7. Delete record where emp_name = ' '
8. Display all employees from the IT department.
9. Find employees hired after 2021-01-01.
10. Show employees with salary between 35000 and 50000.
11. Sort employees by salary in descending order.
12. Find average salary of all employees.
13. Count total employees in each department.

1. Create a table **STUDENTS**(id, name, age, gender, class, marks)
2. Insert 10 records.
3. Select all records from the students table.
4. Display names and marks of all students.
5. Show students who are in the 10th class.
6. List all female students.
7. Select students who scored more than 80 marks.
8. Show students whose age is between 14 and 16.
9. Display student names starting with 'A'.
10. Show students whose name ends with 'a'.
11. Find students who have NULL in the marks column (if any).
12. Display students in descending order of marks.
13. Find the total number of students.
14. Find the average marks of all students.
15. Display the highest and lowest marks.
16. Count the number of students in each class.
17. Find the sum of marks of students in the 9th class.
18. Show the average marks by gender.
19. List classes in ascending order.

20. Show total number of male and female students.
21. Find the number of students per class where average marks are greater than 80.
22. List students grouped by class and sorted by name.

1. Table **employees**(emp_id, name, department, salary, city, join_date, email, commission)
2. Insert 5 records into the employees table with some NULL values in the commission field.
3. Select all data from the employees table.
4. Display only the name and salary of all employees.
5. Show employees who belong to the 'HR' department.
6. Show employees with salary > 30000 AND city = 'Mumbai'.
7. Show employees from 'IT' OR 'Finance' departments.
8. List employees who are NOT from the 'Sales' department.
9. Display employees ordered by salary (ascending).
10. Display employees ordered by name in descending order.
11. Select all employees who do not have a commission (i.e., commission is NULL).
12. Select all employees who have a commission (NOT NULL).
13. Update the salary of the employee with emp_id = 3 to 45000.
14. Delete the employee whose name is 'Amit'.
15. Display only the top 3 highest paid employees.
16. Show the first 2 employees joined (based on join_date).
17. Find the minimum and maximum salary.
18. Count the total number of employees.
19. Find the average salary of all employees.
20. Calculate the sum of all commissions.
21. Show employees whose name starts with 'A'.
22. Show employees whose name ends with 'a'.
23. Show employees whose name contains 'an'.
24. Show employees who work in 'HR', 'IT', or 'Finance' using IN operator.
25. Show employees whose salary is between 30000 and 50000.
26. Show employees who joined between '2023-01-01' and '2024-01-01'.
27. Show the highest salary per department.
28. Count number of employees per city.
29. Show total commission per department.
30. List employees without an email ID.
31. Display employees who joined in the last 6 months.