**1.What is the difference between truncate, delete, drop?**

The DELETE command deletes one or more existing records from the table in the database.

The DROP Command drops the complete table from the database. The

TRUNCATE Command deletes all the rows from the existing table, leaving the row with the column names

**2.. What are alias in MySQL?**

SQL aliases are used to give a table, or a column in a table, a temporary name

Aliases are often used to make column names more readable.

An alias only exists for the duration of that query.

An alias is created with the AS keyword.

3. How do you display even rows of the any table?

Write a subquery with an orderby clause. Along with the data columns, select the pseudocolumn [rownum](https://www.oratable.com/rownum/) with an alias, say rn.

In the outer query, reference the alias rn and use the mod function to get odd rows or even rows.

**4. How can you remove duplicates from a table(distinct and other way)**

When querying data from a table, you may get duplicate rows. To remove these duplicate rows, you use the DISTINCT clause in the SELECT statement. In this syntax, you specify one or more columns that you want to select distinct values after the SELECT DISTINCT keywords

Remove Duplicate Rows Using INNER JOIN.

Remove Duplicate Rows Using an Intermediate Table.

Remove Duplicate Rows Using ROW\_NUMBER().

**5. How you can find 5th max salary?(Do it by all 3 ways)**

1.select ename, sal, dense\_rank() over(order by sal desc)r from Employee) where r=5;

2.SELECT TOP 1 salary FROM ( SELECT DISTINCT TOP 5 salary FROM employee ORDER BY salary DESC ) AS temp ORDER BY salary

3.SELECT \* FROM ( SELECT e.\*, ROW\_NUMBER() OVER (ORDER BY salary DESC) rn FROM Employee e ) WHERE rn = 5;

4.Select \*from table1 groupby salary desc limit 4,1

5.select \*from employee where salary=(select distinct(salary) from employee orderby salary desc limit 4,1);

6.select \*from(select empnm,dept,contact,city,salary,dense\_rank() over(order by salary desc) r from emp) where r=5