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

* Truncate is a data definition language command. It is used to delete entire row and columns in one go. Where command cannot be used for truncate and the structure of the table is not deleted
* While drop is also a ddl command in which entire table deletion command in which the whole table is deleted with structure also
* Delete is a data manipulation command where a particular row can be deleted by using where clause.

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

Alias is an keyword used to give a temporary name for any column and table for the purpose of easily readable and usable format in the query

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

Select \* from table\_name where column\_name % 2 =0;

Select \* from table\_name where mod(column\_name,2) =0;

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

SELECT DISTINCT \* INTO duplicate\_table FROM original\_table GROUP BY key\_value HAVING COUNT(key\_value) > 1 DELETE original\_table WHERE key\_value IN (SELECT key\_value FROM duplicate\_table)

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

Using subquery:

SELECT DISTINCT salary FROM employees e1 WHERE 5 = (SELECT COUNT(DISTINCT salary) FROM employees e2 WHERE e2.salary >= e1.salary);

Using Limit:

SELECT distinct(salary) from employees order by salary desc limit 5 offset 4;

Using Rank Function:

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