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

Delete :

It is a DML command.

If we want to delete all the rows or If we want to delete the row of the table as per the condition then we use the WHERE clause.

Drop :

It permanently delete the table data and structure.

Truncate :

It permanently delete the table data but structure will not be deleted.

2. What are alias in MySQL?

**Aliases are used to give a table, or a column in a table, a temporary name.**

**Ex :** select sum(salary) **as Total\_salary** from employees;

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

**select a.\* from (select \*,rank() over(order by employee\_id) as rnk from employees) as a where (a.rnk%2)=0;**

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

**select distinct(job\_id) from employees;**

**select job\_id from employees group by job\_id;**

**select job\_id from employees union select job\_id from employees;**

**select job\_id from employees INTERSECT select job\_id from employees;**

**with temporary\_employees as ( select job\_id, row\_number() over(partition by job\_id) as row\_coun from employees)**

**select job\_id from temporary\_employees where row\_coun =1;**

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

**select salary from employees where salary = (select salary from employees group by salary order by salary desc limit 4,1);**

**select s.salary from (select salary, dense\_rank() over(order by salary desc) as rnk from employees) as s where s.rnk = 5;**

**select a.salary from (select distinct(salary) from employees order by salary desc limit 4,1) as a);**