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

**Delete**

It is DDL cmd

can either delete all the rows in one go or can delete rows one by one.

Slower than truncate cmd

We can use rollback command but auto commit should set to be manual

**Drop**

It is DDL cmd

It can drop whole structure with data means existence of whole table with data is vanished

We cant use rollback cmd because it is auto commit

**Truncate**

DDL CMD

It removes all row but the structure of the table remains

We cant use rollback command

Faster than delete cmd

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

Alias is used to give table,column a temporary name

It is used to make more readable

Its life time is upto that query after the query is finished temporary name is removed

Keyword : AS

Eg:

**SELECT column\_name AS alias\_name**

**FROM table\_name;**

**SELECT column\_name FROM table\_name AS alias\_name**

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

select \* from (select row\_number()over(order by student\_id) as rownum,student\_name from tb15 ) t where mod(rownum,2)=0;

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

**delete from a where id in ( select max(id) from a group by id having count(\*) > 1);**

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

**1)using subquery**

select distinct salary,first\_name,last\_name from employees ep1 where 5 = (select count(distinct salary) from employees ep2 where ep1.

**2) using limit**

select distinct(salary) from employees order by salary desc limit 5,1;

**3) using cte**

with results as (

select salary,dense\_rank()over(order by salary desc) as sl from employees

)

select salary from results where sl = 5;