

1. **How to select UNIQUE records from a table using a SQL Query?**

select distinct EMPLOYEE\_ID,NAME,SALARY from employee

select EMPLOYEE\_ID,NAME,SALARY from employee group by EMPLOYEE\_ID

1. **How to delete DUPLICATE records from a table using a SQL Query?**

select \* from employee

select \*,count(\*) from employee group by emp\_id,name,salary having count(\*)>1

delete from employee where emp\_id not in (select min(emp\_id) from employee group by name,salary)

1. **How to read TOP 5 records from a table using a SQL query?**

Consider below table DEPARTMENTS as the source data.



select \* from departments order by Department\_ID asc limit 5

select \* from departments limit 5

1. **How to read LAST 5 records from a table using a SQL query?**

select \* from departments order by Department\_ID desc limit 5

1. **How to find the employee with second MAX Salary using a SQL query?**

select max(salary) as second\_max\_salary from employee where salary not in (select max(salary) from employee).

## If we need all the columns too

with

temp as(

select max(salary) as salary from employee where salary not in

(select max(salary) as salary from employee)

)

select a.\* from employee a join temp b on a.salary = b.salary

1. **How to find the employee with third MAX Salary using a SQL query without using Analytic Functions?**

Consider the same EMPLOYEES table as source discussed in previous question

with

temp as(

select max(salary) as salary from employee where salary not in

(select max(salary) as salary from employee)

)

select a.\* from employee a join temp b on a.salary = b.salary

SELECT name, salary

FROM Employee e1

WHERE 3-1 = (SELECT COUNT(DISTINCT salary) FROM Employee e2

WHERE e2.salary > e1.salary)