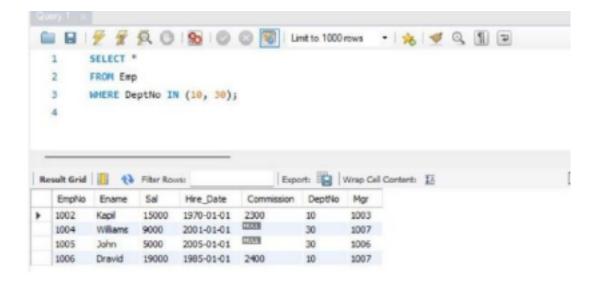
Assignment – 2 : SQL Basics

1. Select employee details of dept number 10 or 30

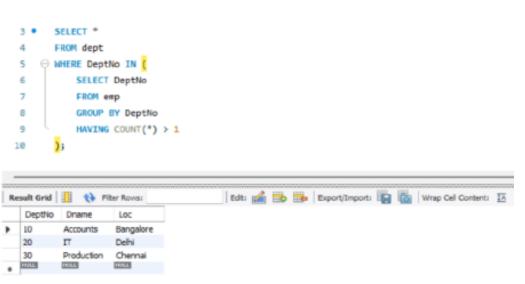
Query: SELECT *FROM Emp WHERE DeptNo IN (10, 30);



2. Write a query to fetch all the dept details with more than 1 **Employee**

```
Query:
```

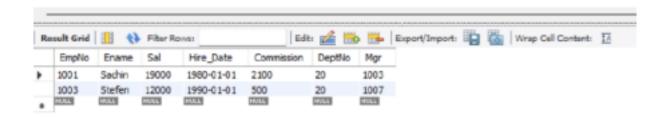
SELECT * FROM dept WHERE DeptNo IN (SELECT DeptNo FROM emp GROUP BY DeptNo HAVING COUNT(*) > 1);



3. Write a query to fetch employee details whose name starts with the letter "S"

Query: SELECT * FROM emp WHERE Ename LIKE 'S%';

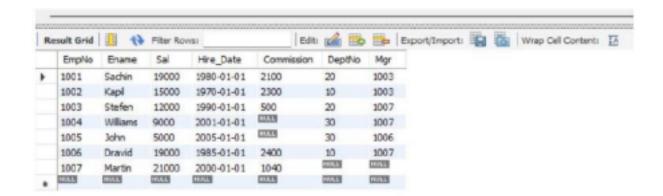
```
5 • SELECT *
4 FROM emp
5 WHERE Ename LIKE 'S%';
```



4. Select Emp Details Whose experience is more than 2 years

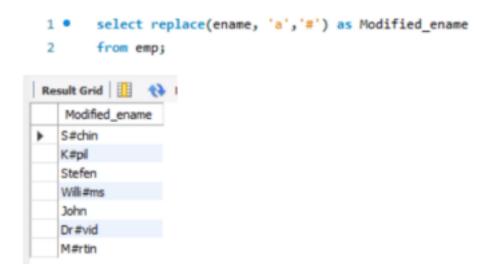
Query : SELECT * FROM emp
WHERE DATEDIFF(CURRENT_DATE(), Hire_Date) >= 730;

```
5 SELECT *
4 FROM emp
5 WHERE DATEDIFF(CURRENT_DATE(), Hire_Date) >= 730;
```



5. Write a SELECT statement to replace the char "a" with "#" in Employee name.

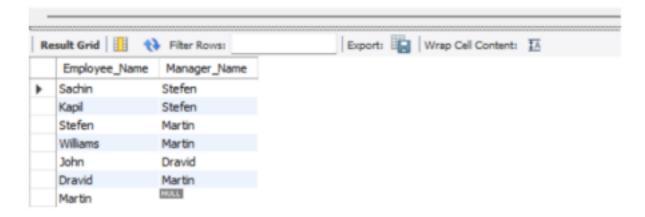
Query: select replace(ename, 'a', '#') as Modified_ename From emp;



6. Write a query to fetch employee name and his/her manager's name

Query: SELECT e.Ename AS Employee_Name, m.Ename AS Manager_Name FROM emp e LEFT JOIN emp m

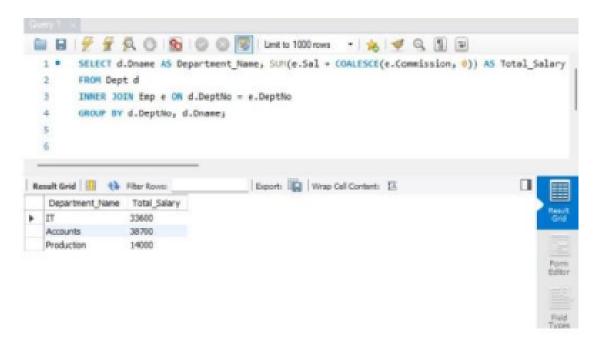
ON e.Mgr = m.EmpNo;



7. Fetch Dept Name, Total Salry of the Dept

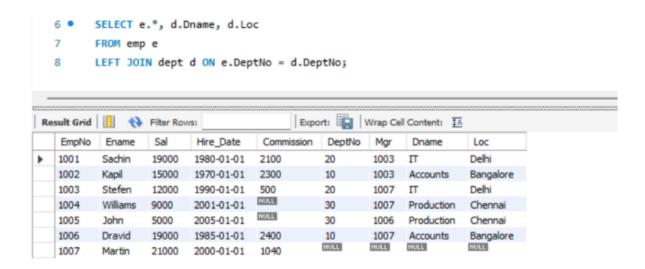
Query: SELECT d.Dname AS Department_Name, SUMe.Sal + COALESCE(e.Commission, 0)) AS Total_Salary FROM Dept d

INNER JOIN Emp e ON d. DeptNo = e .DeptNo GROUP BY d. DeptNo, d.Dname;



8. Write a query to fetch all the employee details along with dept name, dept loc, irrespective of the emp existance in the dept.

Query: SELECT e.*, d.Dname, d.Loc FROM emp e LEFT JOIN dept d ON e.DeptNo = d.DeptNo;

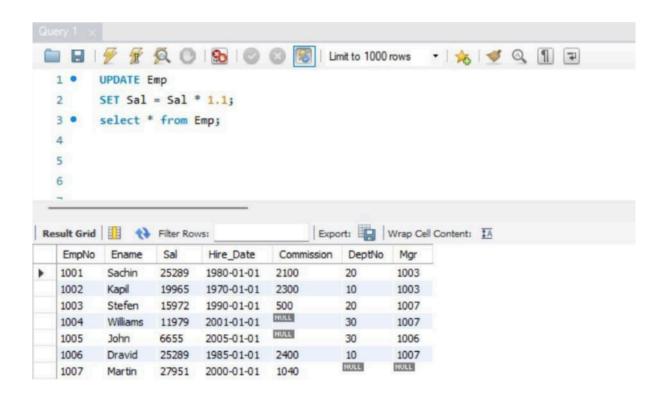


9. Write an update statement to increase the employee salary by 10%

Query:

```
-> UPDATE Emp
SET Sal = Sal * 1.1;
```

-> select * from Emp;



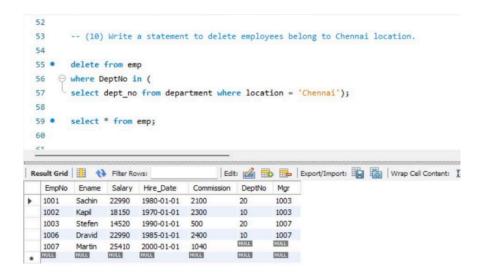
10. Write a statement to delete employee belongs to chennai loc.

Query: DELETE from emp

where DeptNo in (

SELECTdept_no from department where location = 'Chennai');

SELECT* from emp;

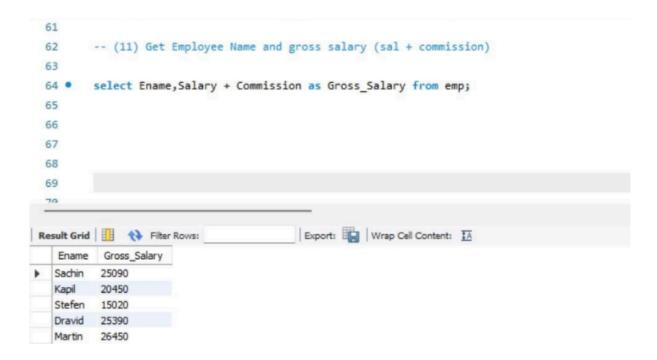


11. Get Employee Name and gross salary (sal + comission) .

Query: SELECT Ename, Sal +

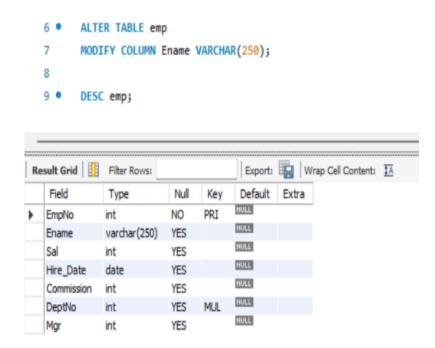
COALESCE(Commission,0) AS Gross_Salary

FROM Emp;



12. Increase the data length of the column Ename of Emp table from 100 to 250 using ALTER statement

Query: ->ALTER TABLE emp MODIFY COLUMN Ename VARCHAR(250); -> DESC emp;



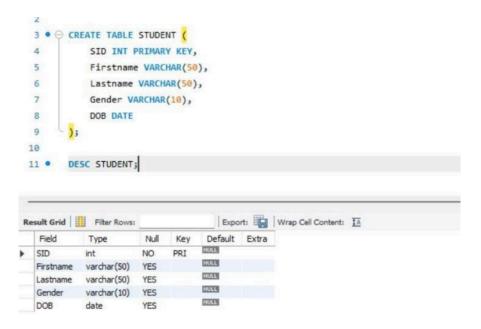
13. Write query to get current datetime

Query: SELECT Now();



14. Write a statement to create STUDENT table, with related 5 columns

Query: CREATE TABLE STUDENT (
SID INT PRIMARY KEY, Firstname VARCHAR(50),
Lastname VARCHAR(50), Gender VARCHAR(10), DOB DATE
-> DESC student;

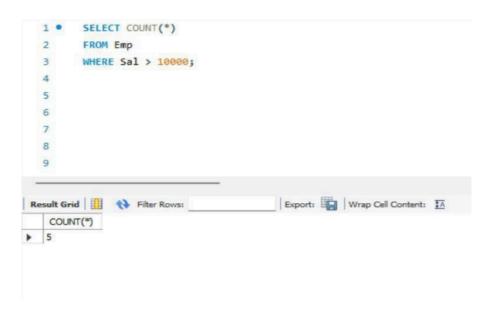


15. Write a query to fetch number of employees in who is getting salary more than 10000

Query: SELECT COUNT (*)

FROM Emp

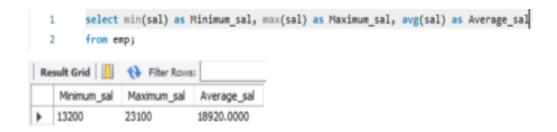
WHERE Sal > 10000;



16. Write a query to fetch minimum sal, max sal and avg sal from emp table.

Query: SELECT min(salary) as Min_Salary, max(salary) as Max_Salary,

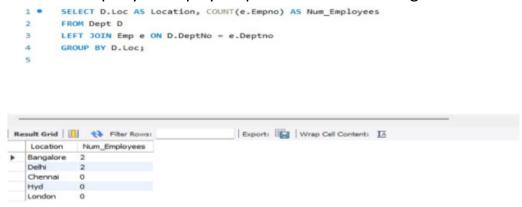
avg(salary) as Avg_Salary
from emp;



17. Write a query to fetch number of employees in each location

Query: SELECT d.Loc, COUNT(*) AS Num_Emp FROM dept d
JOIN emp e ON d.DeptNo = e.DeptNo
GROUP BY d.Loc;

18. Write a query to display emp names in descending order.



18. Write a query to display employee names in descending order

Query: SELECT Ename FROM Emp ORDER BY Ename DESC;

1 • SELECT Ename FROM Emp ORDER BY Ename DESC;



19. Write a statement to create a new table(EMP_BKP) from the existing

Query: EMP table

CREATE TABLE EMP_BKP AS

SELECT * FROM emp;

20. Write a query to fetch first 3 characters from employee name appended with salary.

```
CREATE TABLE EMP_BKP2 AS SELECT * FROM Emp;
Select * FROM EMP_BKP2;
3
```



20. Write a query to fetch first 3 characters from employee name appended with salary.

Query: SELECT CONCAT(LEFT(Ename, 3), ' - ', Sal) AS Name_Salary FROM Emp;

