DB ASSIGNMENT

-Dhaval Karen

1. Write a query to fetch the number of employees working in the department ‘Admin’.

→select count(empid) from employeeinfo where dept='Admin';

Data Output

	count bigint
1	2

2. Write a query to retrieve the first four characters of EmpLname from the EmployeeInfo table.

→SELECT LEFT(emplastname,4) FROM employeeinfo;

Data Output

	left text
1	Mehr
2	Mish
3	Diwa
4	Kulk
5	Kapo

3. Write q query to find all the employees whose salary is between 50000 to 100000.

→SELECT * FROM employeeinfo INNER JOIN employeeposition ON employeeposition.empid = employeeinfo.empid WHERE EmployeePosition.salary BETWEEN 50000 AND 100000;

Data Output | Explain | Messages | Notifications

	empid integer	empfname character varying (50)	emplastname character varying (50)	dept character varying (200)	address character varying (50)	dob date	project character varying (2)	empid integer	empposition character varying (50)	salary integer	dob date
1	2	Ananya	Mishra	Admin	Delhi(DEL)	1968-05-02	P2	2	Executive	75000	2022-05-02
2	3	Rohan	Diwan	Account	Mumbai(BOM)	1980-01-01	P3	3	Manager	90000	2022-05-01
3	4	Sonia	Kulkarni	HR	Hyderabad(HYD)	1992-05-02	P1	4	Lead	85000	2022-05-02

4. Write a query to find the names of employees that begin with ‘S’.

→SELECT empfname FROM employeeinfo WHERE empfname LIKE 'S%' ;

Data Output | Explain | Mes

	empfname character varying (50)
1	Sanjay
2	Sonia

5. Write a query to fetch top N records order by salary. (ex. top 5 records)

→SELECT * FROM employeeinfo INNER JOIN employeeposition ON employeeinfo.empid = employeeposition.empid ORDER BY employeeposition.salary LIMIT 5;

Data Output | Explain | Messages | Notifications

	empid integer	empfname character varying (50)	emplastname character varying (50)	dept character varying (200)	address character varying (50)	dob date	project character varying (2)	empid integer	empposition character varying (50)	salary integer	dob date
1	2	Ananya	Mishra	Admin	Delhi(DEL)	196...	P2	2	Executive	75000	2022-05-02
2	4	Sonia	Kulkarni	HR	Hyderabad(HYD)	199...	P1	4	Lead	85000	2022-05-02
3	3	Rohan	Diwan	Account	Mumbai(BOM)	198...	P3	3	Manager	90000	2022-05-01
4	5	Ankit	Kapoor	Admin	Delhi(DEL)	199...	P2	5	Executive	300000	2022-05-01
5	1	Sanjay	Mehra	HR	Hyderabad(HYD)	197...	P1	1	Manager	500000	2022-05-01

6. Write a query to fetch details of all employees excluding the employees with first names, “Sanjay” and “Sonia” from the EmployeeInfo table.

→SELECT * FROM employeeinfo WHERE empfname NOT IN ('Sanjay','Sonia');

Data Output | Explain | Messages | Notifications

	empid [PK] integer	empfname character varying (50)	emplastname character varying (50)	dept character varying (200)	address character varying (50)	dob date	project character varying (2)
1	2	Ananya	Mishra	Admin	Delhi(DEL)	196...	P2
2	3	Rohan	Diwan	Account	Mumbai(BOM)	198...	P3
3	5	Ankit	Kapoor	Admin	Delhi(DEL)	199...	P2

7. Write a query to fetch the department-wise count of employees sorted by department’s count in ascending order.

→SELECT dept, COUNT(empid) AS departmentWiseCount FROM employeeinfo GROUP BY dept ORDER BY departmentWiseCount ASC;

Data Output | Explain | Messages | Notifications

	dept character varying (200)	departmentwisecount bigint
1	Account	1
2	Admin	2
3	HR	2