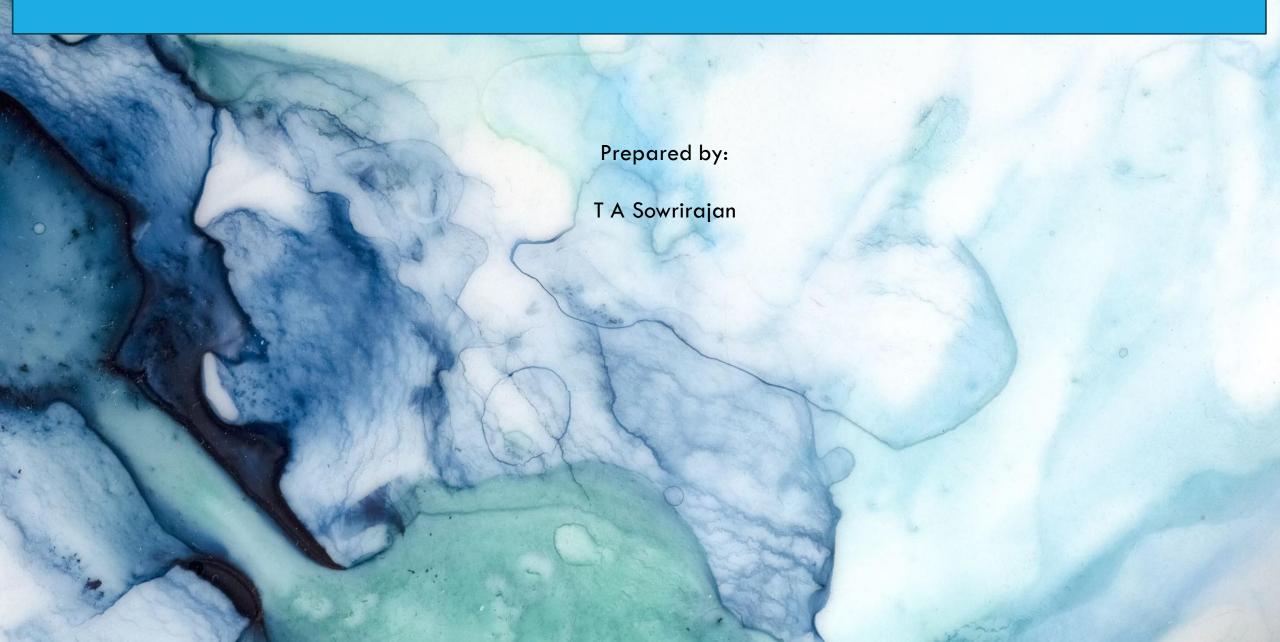
## SQL PROJECT 1



Query: Write a query to list all employees along with their respective department names. Include employee number, first name, last name, department number, and department name.

## **SELECT**

e.emp\_no, e.first\_name, e.last\_name, d.dept\_no, d.dept\_name

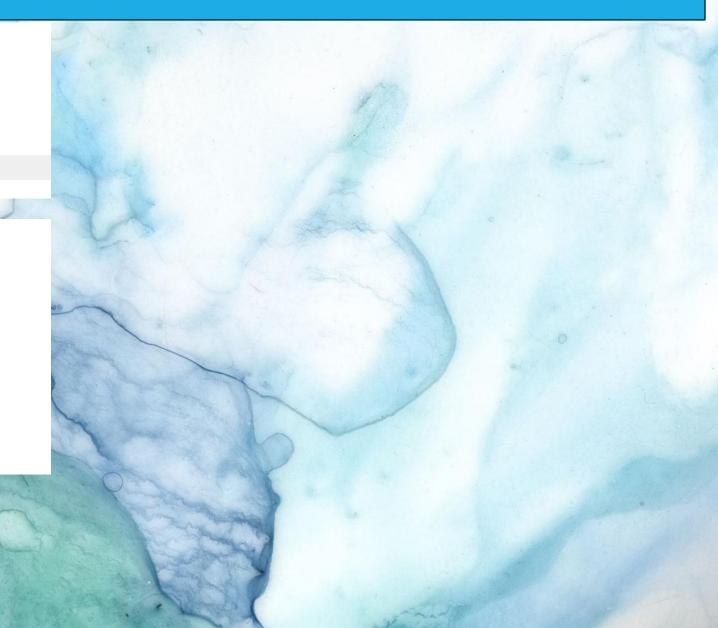
## FROM

employees AS e JOIN dept\_emp

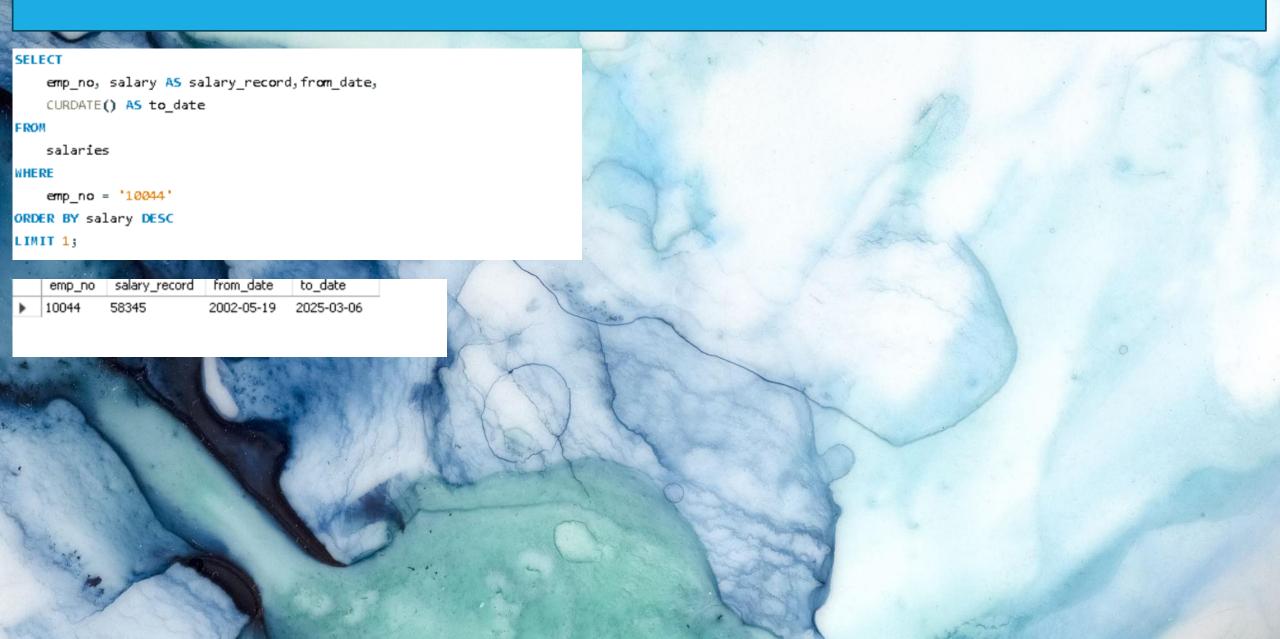
AS de ON e.emp\_no = de.emp\_no

JOIN departments AS d ON de.dept\_no = d.dept\_no;

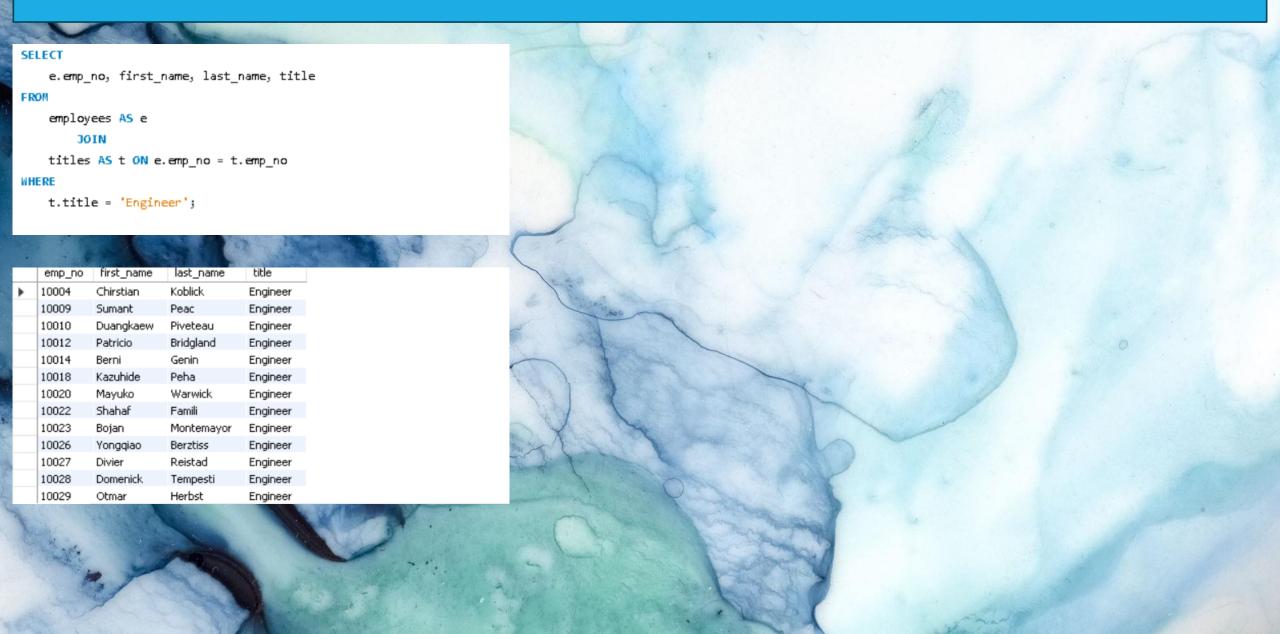
	emp_no	first_name	last_name	dept_no	dept_name
•	10011	Mary	Sluis	d009	Customer Service
	10038	Huan	Lortz	d009	Customer Service
	10049	Basil	Tramer	d009	Customer Service
	10060	Breannda	Billingsley	d009	Customer Service
	10088	Jungsoon	Syrzycki	d009	Customer Service
	10098	Sreekrishna	Servieres	d009	Customer Service
	10112	Yuichiro	Swick	d009	Customer Service
	10115	Chikara	Rissland	d009	Customer Service
	10126	Kayoko	Valtorta	d009	Customer Service
	10128	Babette	Lamba	d009	Customer Service
	10137	Maren	Hutton	d009	Customer Service



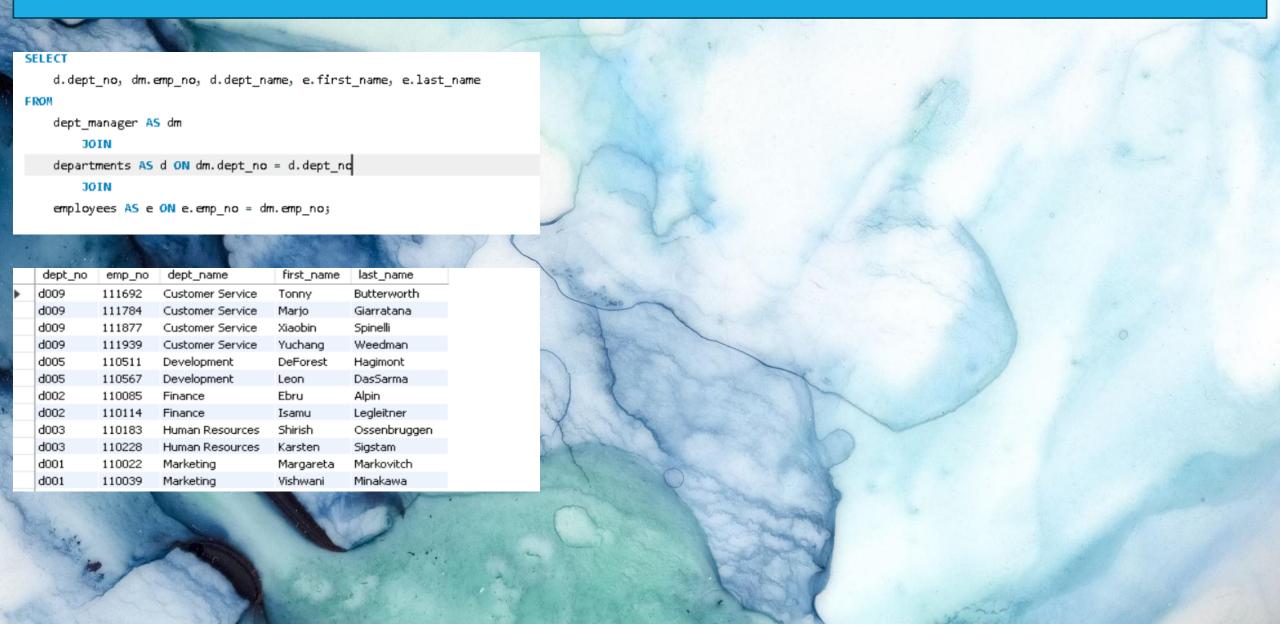
Write a query to retrieve all the salary records of a given employee (by employee number). Include employee number, salary, from date, and to date.



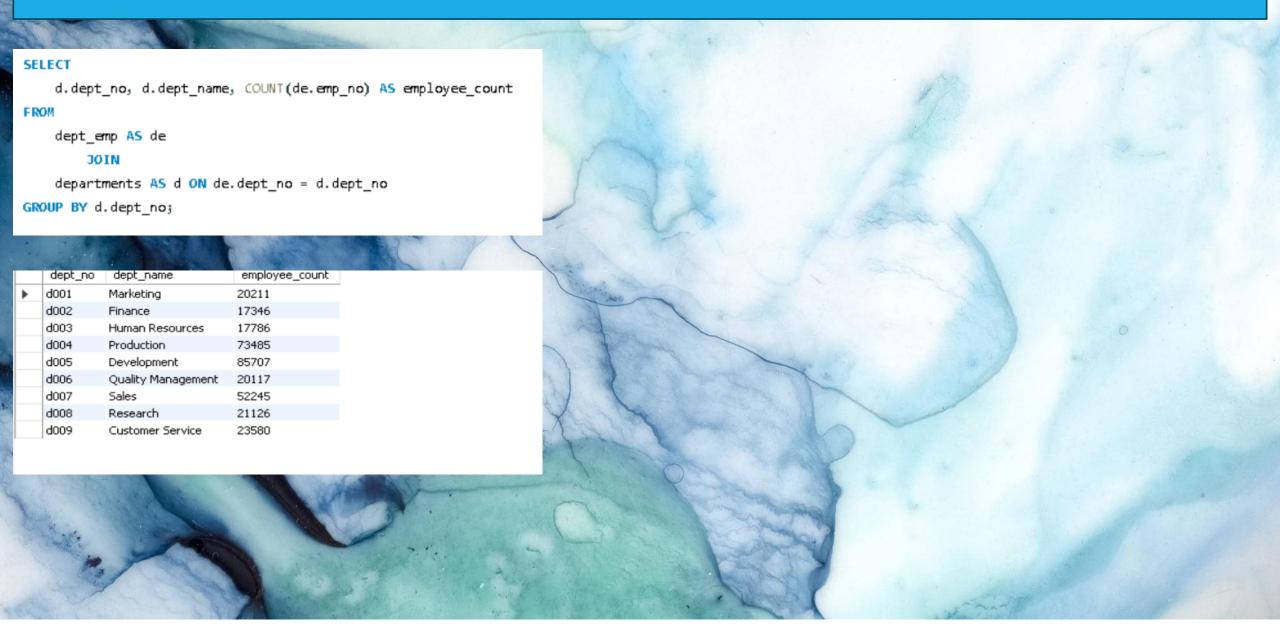
Write a query to find all employees who have held a specific title (e.g., 'Engineer'). Include employee number, first name, last name, and title.



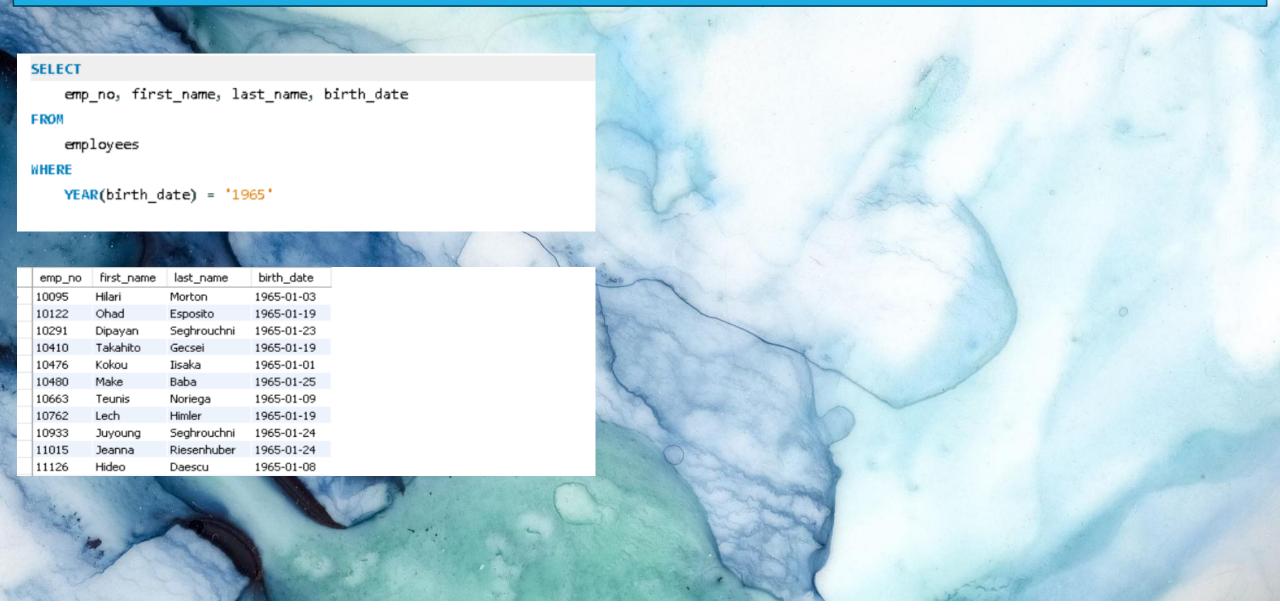
Write a query to list all departments along with their current managers. Include department number, department name, -- manager's employee number, first name, and last name.



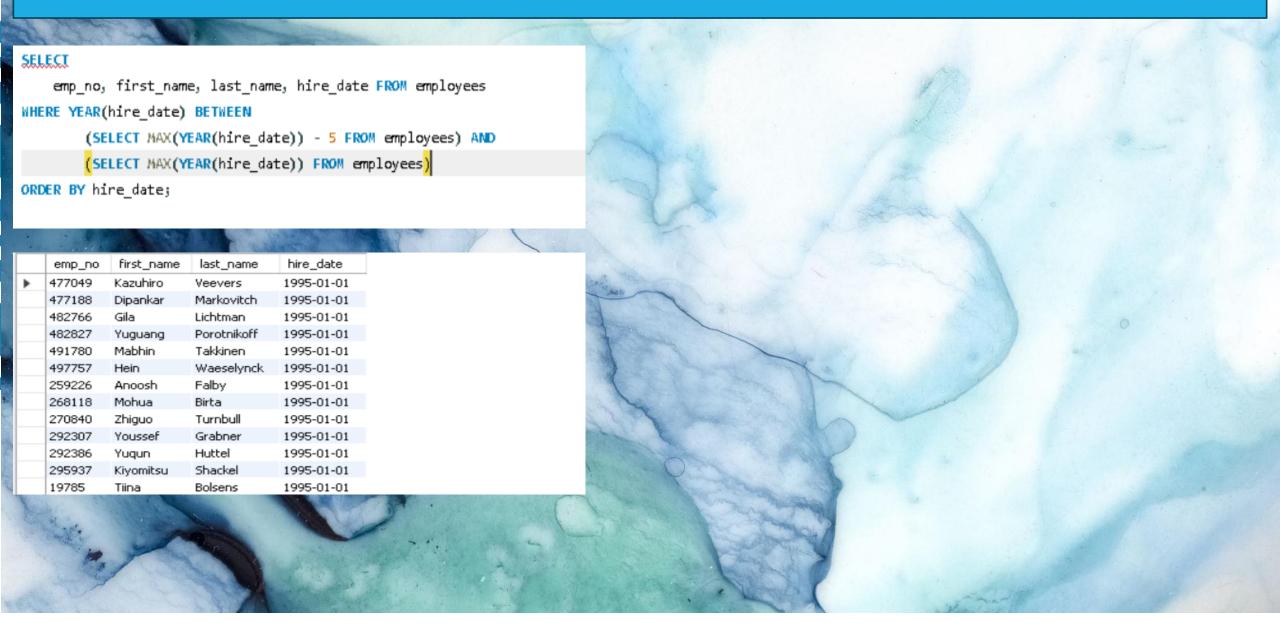
Write a query to count the number of employees in each department. Include department number, department name, and employee count.



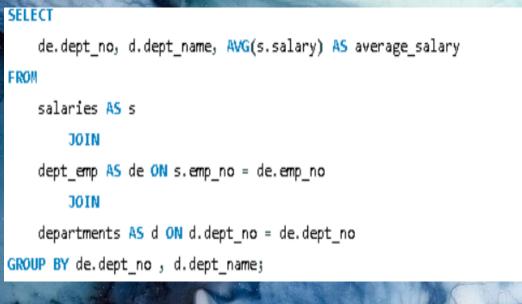
Write a query to find all employees born in a specific year (e.g., 1965). Include employee number, first name, last name, and birth date.



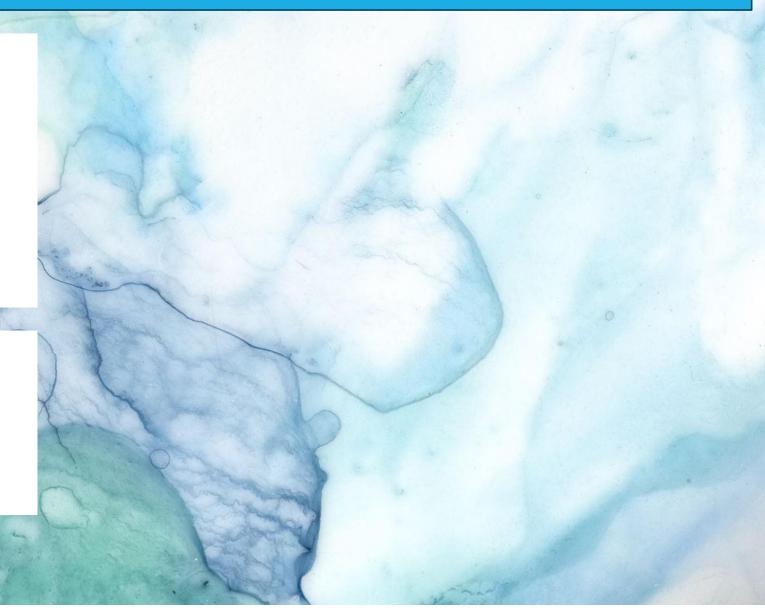
Write a query to find all employees hired in the last 5 years. Include employee number, first name, last name, and hire date.



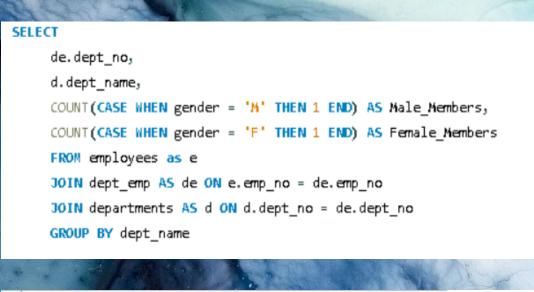
Write a query to calculate the average salary for each department. Include department number, department name, and average salary.



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Write a query to find the gender distribution (number of males and females) in each department. Include department number, department name, count of males, and count of females.



dept_no	dept_name	Male_Members	Female_Members
d009	Customer Service	14132	9448
d005	Development	51449	34258
d002	Finance	10331	7015
d003	Human Resources	10711	7075
d001	Marketing	12174	8037
d004	Production	43936	29549
d006	Quality Management	12039	8078
d008	Research	12687	8439
d007	Sales	31391	20854

Write a query to find the employees who have served the longest in the company. Include employee number, first name, last name, and number of years served.

