#Find all employees named Jim, Michael, Johnny ,David

SELECT \* FROM employee WHERE first\_name IN ('Jim', 'Michael', 'Johnny' ,'David')

-- Find the number of employees

SELECT COUNT(emp\_id) AS ttl\_emp FROM employee;

-- Find the average of all employee's salaries

SELECT AVG(salary) AS avg\_slry FROM employee;

-- Find any client's who are in LLC

SELECT client\_id,client\_name FROM CLIENT WHERE client\_name LIKE '%LLC%'

-- Find any branch suppliers who are in the labels business

SELECT \* FROM branch\_supplier WHERE supplier\_name LIKE '%Lab%'

-- Find any employee born on the 10th day of the month

SELECT \* FROM employee WHERE birth\_day LIKE '%10'

-- Find the sum of all employee's salaries

SELECT SUM(salary) AS sum\_slry FROM employee;

-- Find out how many males and females there are

SELECT gender, COUNT(gender) FROM employee GROUP BY gender

-- Find the total sales of each salesman

SELECT emp\_id, SUM(total\_sales) FROM works\_with GROUP BY emp\_id

#Find the total amount of money spent by each client

SELECT gender, COUNT(gender) AS ttl FROM employee GROUP BY gender

SELECT gender, COUNT(branch\_id) AS ttl FROM employee WHERE gender='M' GROUP BY gender HAVING ttl>5

INSERT INTO employee SET first\_name='SM' , emp\_id=110

SELECT gender, COUNT(gender) AS ttl FROM employee GROUP BY gender HAVING ttl<>0

SELECT gender, COUNT(gender) AS ttl FROM employee GROUP BY gender HAVING gender<>'NULL'

SELECT gender, COUNT(gender) AS ttl FROM employee GROUP BY gender HAVING NOT gender='NULL'

#H.S

SELECT gender,MAX(salary) FROM employee WHERE NOT gender='NULL' GROUP BY gender ORDER BY salary DESC LIMIT 1

#SubQuery

SELECT MAX(salary) FROM employee WHERE salary < (SELECT MAX(salary) FROM employee WHERE salary)

JOINS:

#emp\_id, first\_name, gender---, branch\_name--T2

SELECT e.emp\_id, e.first\_name,e.gender,b.branch\_name

FROM employee AS e , branch AS b

WHERE e.branch\_id = b.branch\_id

#emp\_id, first\_name, gender---, branch\_name--T2

SELECT e.emp\_id, e.first\_name,e.gender,b.branch\_name

FROM employee AS e , branch AS b

WHERE e.branch\_id = b.branch\_id

#OR

SELECT e.emp\_id, e.first\_name,e.gender,b.branch\_name

FROM employee AS e

INNER JOIN branch AS b

ON e.branch\_id = b.branch\_id

#Employee table- LEFT JOIN

SELECT e.emp\_id, e.first\_name,e.gender,b.branch\_name

FROM branch AS b

LEFT JOIN employee AS e

ON e.branch\_id = b.branch\_id

#Eg2:

SELECT e.emp\_id, e.first\_name,e.gender,b.branch\_name

FROM employee AS e

LEFT JOIN branch AS b

ON e.branch\_id = b.branch\_id

#Right Join

SELECT e.emp\_id, e.first\_name,e.gender,b.branch\_name

FROM employee AS e

RIGHT JOIN branch AS b

ON e.branch\_id = b.branch\_id

#OR

SELECT e.emp\_id, e.first\_name,e.gender,b.branch\_name

FROM employee AS e

INNER JOIN branch AS b

ON e.branch\_id = b.branch\_id