1. Write a query to display the name (first\_name, last\_name) and salary for all employees whose salary is not in the range $10,000 through $15,000.

select first\_name, last\_name, salary from employees

where (5000000 <= salary) and(salary <= 500000000 );

1. Write a query to display the name (first\_name, last\_name) and department ID of all employees in departments 30 or 100 in ascending order.

select first\_name, last\_name from employees

where (department\_id = 112) or (department\_id = 113)

ORDER by employee\_id asc;

**3.** Write a query to display the name (first\_name, last\_name) and salary for all employees whose salary is not in the range $10,000 through $15,000 and are in department 30 or 100.

select first\_name, last\_name, salary from employees

where ((5000000 > salary) or (salary > 500000000 )) and (department\_id in (112,113));

**4.** Write a query to display the name (first\_name, last\_name) and hire date for all employees who were hired in 1987.

SELECT first\_name, last\_name, hire\_date

FROM employees

WHERE EXTRACT(YEAR FROM hire\_date) = 2020;

**5.** Write a query to display the first\_name of all employees who have both "b" and "c" in their first name.

SELECT first\_name, last\_name

FROM employees

WHERE first\_name LIKE '%b%' AND first\_name LIKE '%c%';

**6.** Write a query to display the last name, job, and salary for all employees whose job is that of a Programmer or a Shipping Clerk, and whose salary is not equal to $4,500, $10,000, or $15,000.

SELECT last\_name, job\_id, salary

FROM employees

WHERE job\_id IN ('dev', 'cnt')

AND salary NOT IN (4500, 10000, 15000);

**7.** Write a query to display the last name of employees whose names have exactly 6 characters.

SELECT last\_name

FROM employees

WHERE LENGTH(last\_name) = 6;

**8.** Write a query to display the last name of employees having 'e' as the third character.

SELECT last\_name

FROM employees

WHERE last\_name LIKE '\_\_e%';

**9.** Write a query to display the jobs/designations available in the employees table.

**10.** Write a query to display the name (first\_name, last\_name), salary and PF (15% of salary) of all employees.

SELECT first\_name, last\_name, salary, 0.15\*salary as "PF"

FROM employees;

**11.** Write a query to select all record from employees where last name in 'BLAKE', 'SCOTT', 'KING' and 'FORD'.

SELECT \*

FROM employees

where last\_name in ('Apple', 'Fox');