**LAB-2**

Muhammad Bilal (021-18-0037)

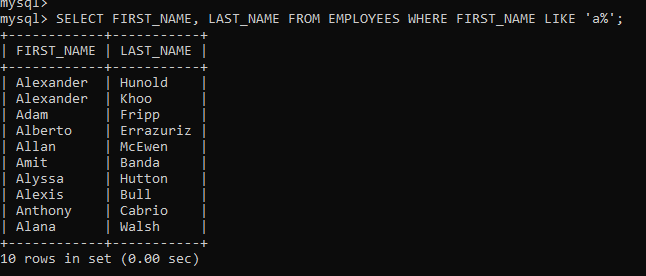
1. Write a query to display EMPLOYEE\_ID, FIRST\_NAME, and SALARY of employees whose SALARY is less than $3000

**QUERY:** select EMPLOYEE\_ID, FIRST\_NAME, SALARY from employees where salary<3000;



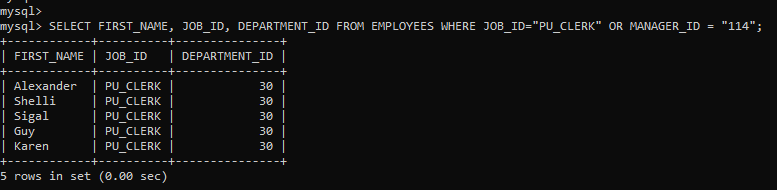
1. Write a query to display FIRST\_NAME, LASTNAME of all employees whose first name starts with letter ‘A’.

QUERY: SELECT FIRST\_NAME, LAST\_NAME FROM EMPLOYEES WHERE FIRST\_NAME LIKE 'a%';



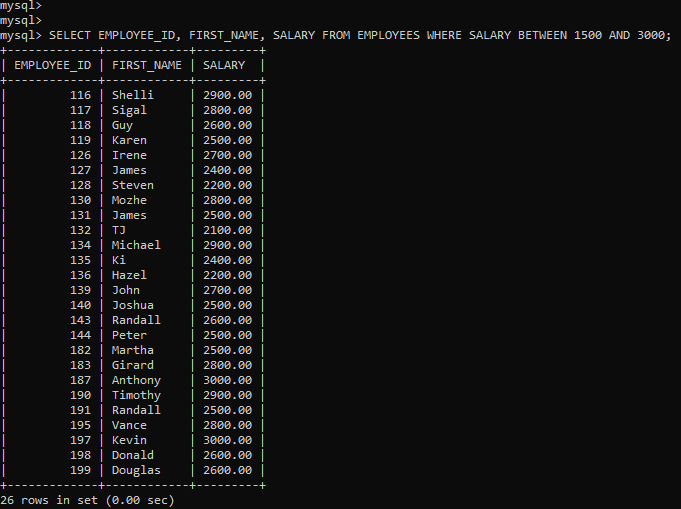
1. Write a query to display FIRST\_NAME, JOB\_ID, DEPARTMENT\_ID of employees who are either PU\_CLERK or belongs to MANAGER\_ID = 114.

QUERY: SELECT FIRST\_NAME, JOB\_ID, DEPARTMENT\_ID FROM EMPLOYEES WHERE JOB\_ID="PU\_CLERK" OR MANAGER\_ID = "114";

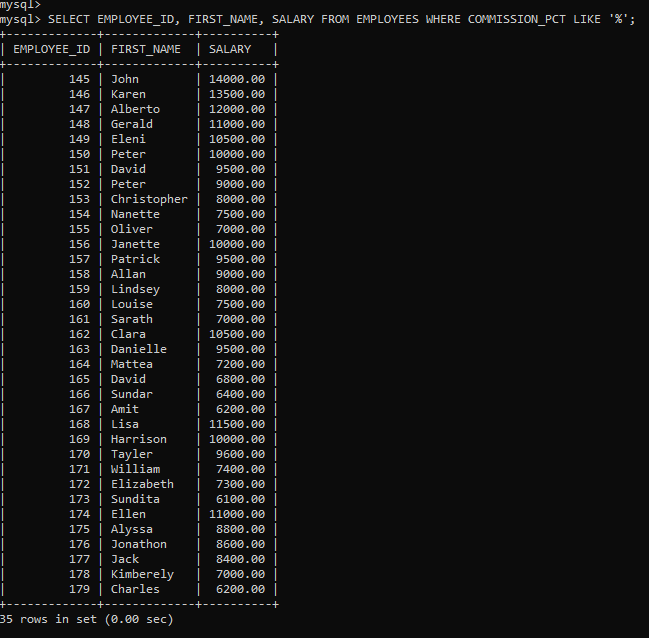


1. Write a query to display EMPLOYEE\_ID, FIRST\_NAME, and SALARY of employees whose salaries lies in the range of $1500 to $3000;

QUERY: SELECT EMPLOYEE\_ID, FIRST\_NAME, SALARY FROM EMPLOYEES WHERE SALARY BETWEEN 1500 AND 3000;

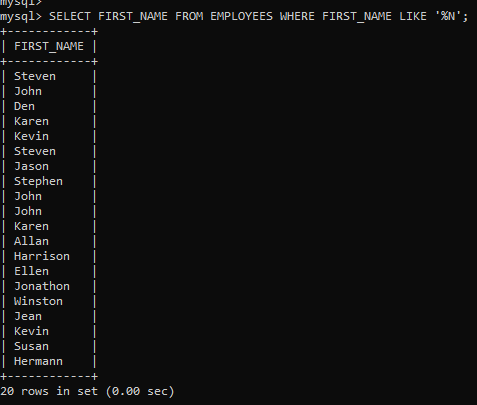


1. Write a query to display EMPLOYEE\_ID, FIRST\_NAME, and SALARY of employees whose commission is empty.

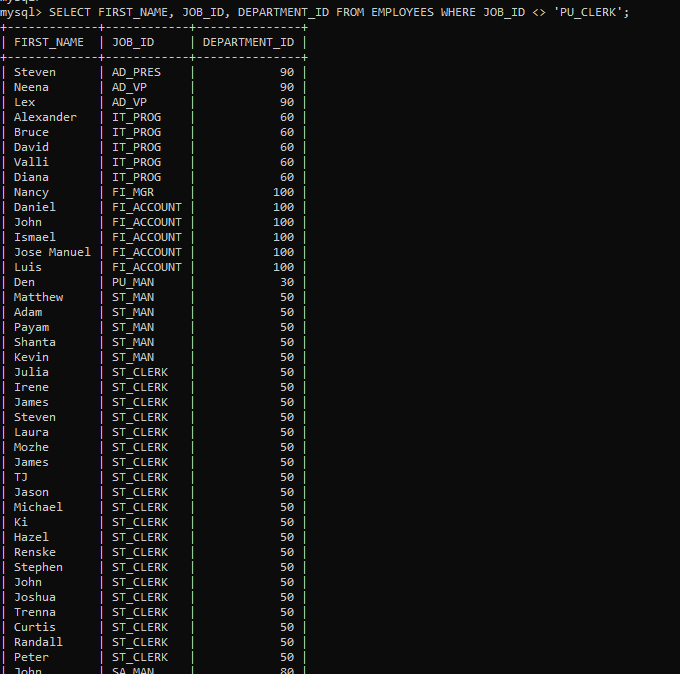
QUERY: SELECT EMPLOYEE\_ID, FIRST\_NAME, SALARY FROM EMPLOYEES WHERE COMMISSION\_PCT LIKE '%'; 

1. Write a query to display first names of all employees that end with alphabet ‘N’.

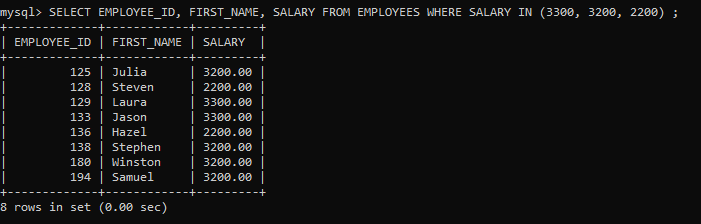
QUERY: SELECT FIRST\_NAME FROM EMPLOYEES WHERE FIRST\_NAME LIKE '%N';



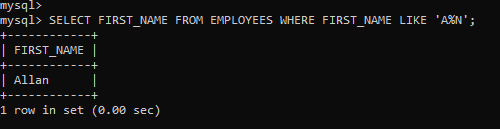
1. Write a query to display FIRST\_NAME, JOB\_ID, DEPARTMENT\_ID of employees who are not PU\_CLERK.

QUERY: SELECT FIRST\_NAME, JOB\_ID, DEPARTMENT\_ID FROM EMPLOYEES WHERE JOB\_ID <> 'PU\_CLERK'; 

1. Write a query to display EMPLOYEE\_ID, FIRST\_NAME, and SALARY of those employees who do not have salaries of $3300, $3200, $2200.

QUERY: SELECT EMPLOYEE\_ID, FIRST\_NAME, SALARY FROM EMPLOYEES WHERE SALARY IN (3300, 3200, 2200) ; 

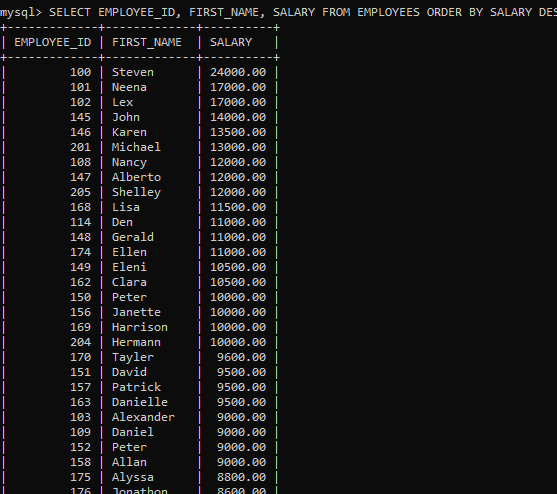
1. Write a query to display names of those employees whose first name starts with ‘A’ and ends with ‘N’.

QUERY: SELECT FIRST\_NAME FROM EMPLOYEES WHERE FIRST\_NAME LIKE 'A%N'; 

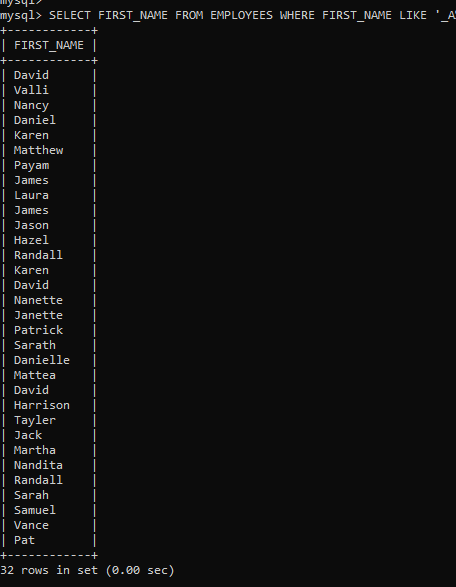
1. Write a query to display the list of employee names that have letters ‘LA’ in their names.

QUERY: SELECT FIRST\_NAME FROM EMPLOYEES WHERE FIRST\_NAME LIKE '%LN%'; 

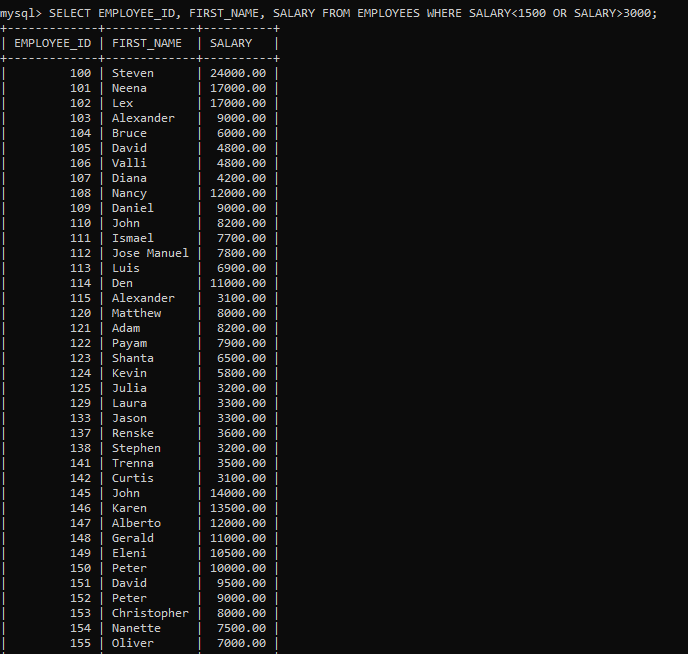
1. Write a query to display the EMPLOYEE\_ID, FIRST\_NAME, and SALARY of employees. In that, the highest paid employee should display first and lowest paid should display last.

QUERY: SELECT EMPLOYEE\_ID, FIRST\_NAME, SALARY FROM EMPLOYEES ORDER BY SALARY DESC; 

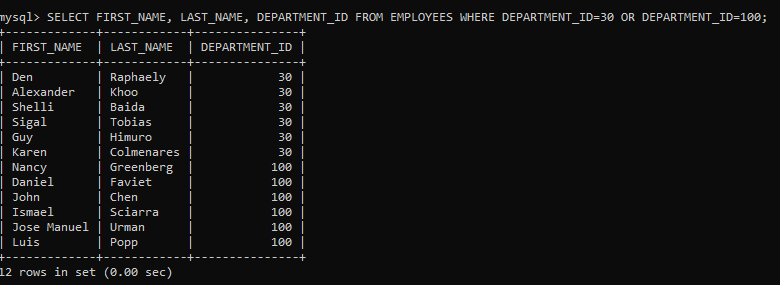
1. Write a query to display FIRST\_NAME of employees that have "a" in the second position.

QUERY: SELECT FIRST\_NAME FROM EMPLOYEES WHERE FIRST\_NAME LIKE '\_A%'; 

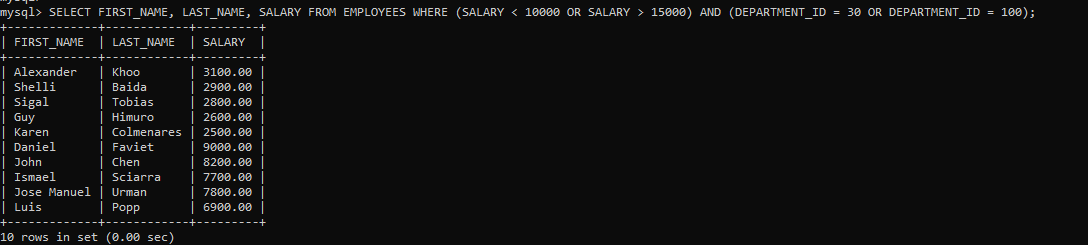
1. Write a query to display EMPLOYEE\_ID, FIRST\_NAME, and SALARY of employees whose salaries do not lies in the range of $1500 to $3000;

QUERY: SELECT EMPLOYEE\_ID, FIRST\_NAME, SALARY FROM EMPLOYEES WHERE SALARY<1500 OR SALARY>3000; 

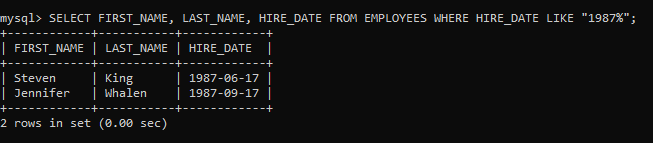
1. Write a query to display FIRST\_NAME, LAST\_NAME and DEPARTMENT\_ID of all employees in departments 30 or 100 in ascending order.

QUERY: SELECT FIRST\_NAME, LAST\_NAME, DEPARTMENT\_ID FROM EMPLOYEES WHERE DEPARTMENT\_ID=30 OR DEPARTMENT\_ID=100; 

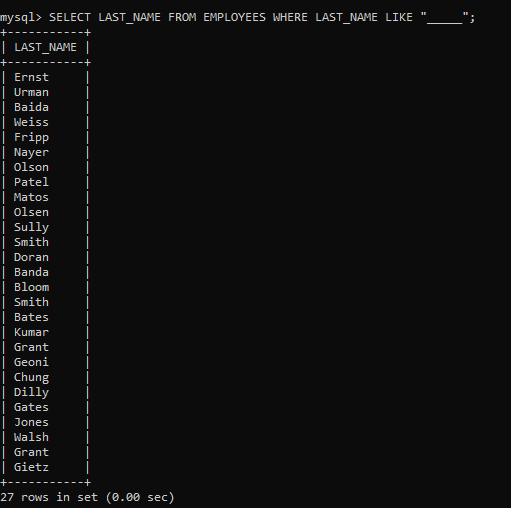
1. Write a query to display FIRST\_NAME, LAST\_NAME and SALARY for all employees whose salary is not in the range $10,000 through $15,000 and are in department 30 or 100.

QUERY: SELECT FIRST\_NAME, LAST\_NAME, SALARY FROM EMPLOYEES WHERE (SALARY < 10000 OR SALARY > 15000) AND (DEPARTMENT\_ID = 30 OR DEPARTMENT\_ID = 100); 

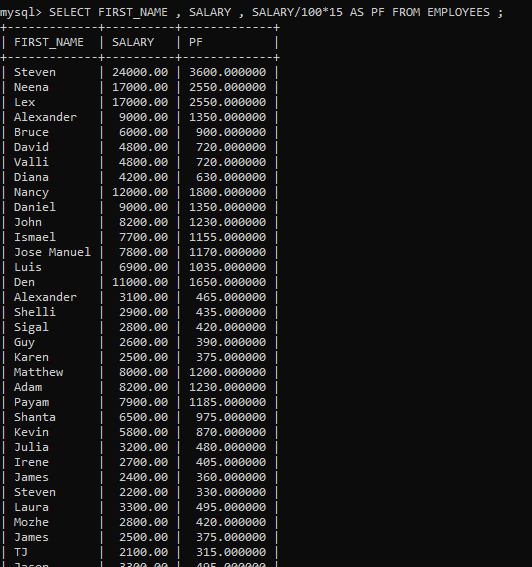
1. Write a query to display FIRST\_NAME, LAST\_NAME and HIRE\_DATE for all employees who were hired in 1987.

QUERY: SELECT FIRST\_NAME, LAST\_NAME, HIRE\_DATE FROM EMPLOYEES WHERE HIRE\_DATE LIKE "1987%"; 

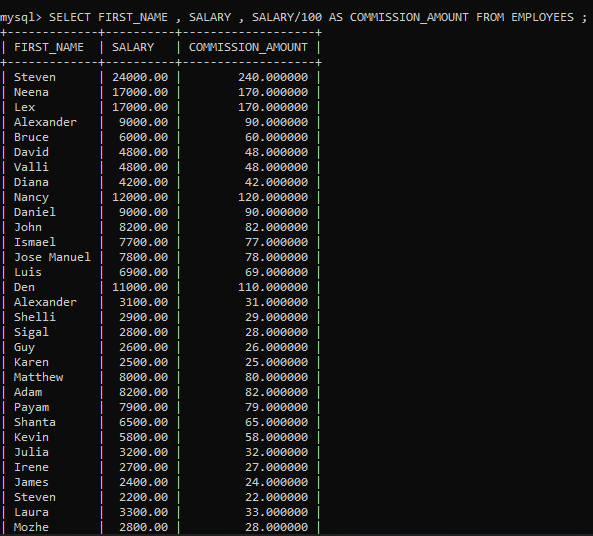
1. Write a query to display the LAST\_NAME of employees whose LAST\_NAME have exactly 6 characters.

QUERY: SELECT LAST\_NAME FROM EMPLOYEES WHERE LAST\_NAME LIKE "\_\_\_\_\_"; 

1. Write a query to display FIRST\_NAME, SALARY and PF (15% of salary) of all employees.

QUERY: SELECT FIRST\_NAME , SALARY , SALARY/100\*15 AS PF FROM EMPLOYEES ; 

1. Write a query to display FIRST\_NAME, SALARY and commission amount (% of salary) of all employees.

QUERY: SELECT FIRST\_NAME , SALARY , SALARY/100 AS COMMISSION\_AMOUNT FROM EMPLOYEES ; 

1. Write a query to display FIRST\_NAME, SALARY and NET\_SALARY after 500 deduction from salary of all employees;

QUERY: SELECT FIRST\_NAME , SALARY , SALARY-500 AS NET\_SALARY FROM EMPLOYEES ; 