**Assignment 3**

1. Write a query to display all the details from employee table with department, title and latest salary.
2. Write a procedure which accepts the parameters (emp\_no,birth\_date, first\_name, last\_name, gender, hire\_date) and to update the table if emp\_no already exists in the table or insert a new record if emp\_no does not exists in table.
3. Write a function to return the experience of an employee by passing the emp\_no.

Queries Below:

1.

SELECT e.emp\_no,e.birth\_date,e.first\_name,e.last\_name,e.gender,e.hire\_date,d.dept\_name,t.title,s.salary

FROM

    employees e

JOIN

    dept\_emp de ON e.emp\_no = de.emp\_no

JOIN

    departments d ON de.dept\_no = d.dept\_no

JOIN

    titles t ON e.emp\_no = t.emp\_no

JOIN

    (SELECT emp\_no, MAX(salary) AS salary

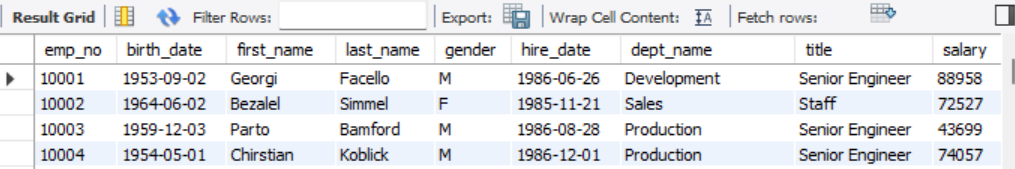
     FROM salaries

     GROUP BY emp\_no) s ON e.emp\_no = s.emp\_no

WHERE

    de.to\_date = '9999-01-01'

    AND t.to\_date = '9999-01-01';



2.

DELIMITER //

CREATE PROCEDURE upsert\_employee(

    IN p\_emp\_no INT,

    IN p\_birth\_date DATE,

    IN p\_first\_name VARCHAR(50),

    IN p\_last\_name VARCHAR(50),

    IN p\_gender CHAR(1),

    IN p\_hire\_date DATE

)

BEGIN

    DECLARE emp\_count INT;

    SELECT COUNT(\*) INTO emp\_count

    FROM employees

    WHERE emp\_no = p\_emp\_no;

    IF emp\_count > 0 THEN

        UPDATE employees

        SET birth\_date = p\_birth\_date,

            first\_name = p\_first\_name,

            last\_name = p\_last\_name,

            gender = p\_gender,

            hire\_date = p\_hire\_date

        WHERE emp\_no = p\_emp\_no;

    ELSE

        INSERT INTO employees (emp\_no, birth\_date, first\_name, last\_name, gender, hire\_date)

        VALUES (p\_emp\_no, p\_birth\_date, p\_first\_name, p\_last\_name, p\_gender, p\_hire\_date);

    END IF;

END //

DELIMITER ;

3.

DELIMITER //

CREATE FUNCTION get\_experience(p\_emp\_no INT)

RETURNS INT

DETERMINISTIC

BEGIN

    DECLARE experience INT;

    SELECT TIMESTAMPDIFF(YEAR, hire\_date, CURDATE())

    INTO experience

    FROM employees

    WHERE emp\_no = p\_emp\_no;

    RETURN experience;

END //

DELIMITER ;

SELECT get\_experience(10001) AS experience;

