Assignment- 2Aug

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, salary

FROM salaries

WHERE (emp\_no, from\_date) IN (

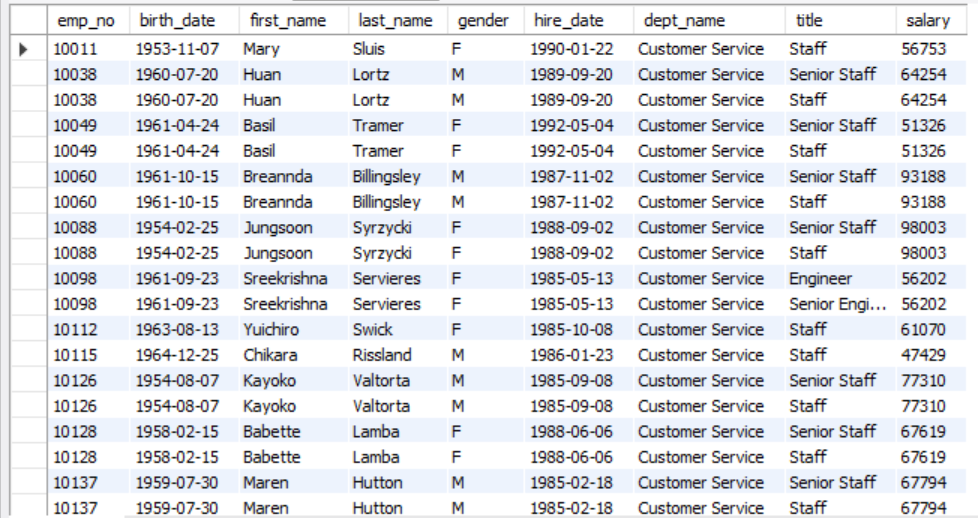
SELECT emp\_no, MAX(from\_date)

FROM salaries

GROUP BY emp\_no

)

) s ON e.emp\_no = s.emp\_no;



1. 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 ENUM('M', 'F'),IN p\_hire\_date DATE)

BEGIN

DECLARE emp\_exists INT;

SELECT COUNT(\*) INTO emp\_exists

FROM employees

WHERE emp\_no = p\_emp\_no;

IF emp\_exists > 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);

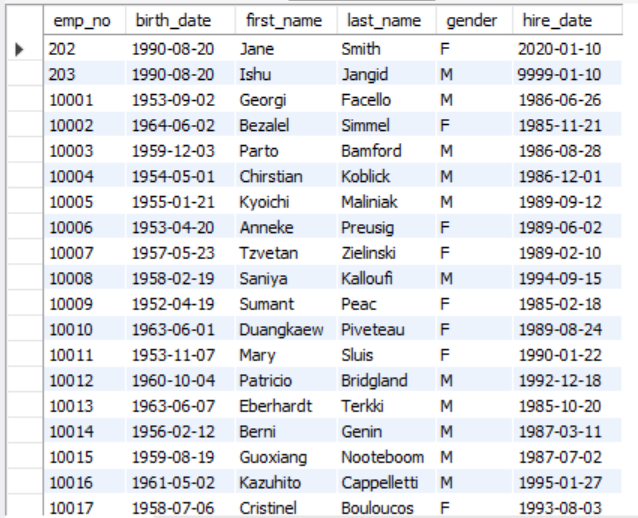
END IF;

END $$

DELIMITER ;

CALL upsert\_employee(203, '1990-08-20', 'Ishu', 'Jangid', 'M', '9999-01-10');

select \* from employees;



1. 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(202) AS experience;

