

DATE:22/11/2024

NAME:Venkatesh Kumar B

## SQL

```
SET sql_safe_updates = 0;
```

```
-- ----- Senior Employee Setup -----
```

```
USE assignment;
```

```
-- Create the WORKER table to include Senior Employees
```

```
CREATE TABLE IF NOT EXISTS WORKER (
```

```
    empId INT PRIMARY KEY,
```

```
    empName VARCHAR(45),
```

```
    empSalary INT,
```

```
    empDomain VARCHAR(30),
```

```
    empAge INT,
```

```
    JoiningDate DATE
```

```
);
```

```
INSERT INTO WORKER (empId, empName, empSalary, empDomain, empAge, JoiningDate)  
VALUES
```

```

(1, 'Deepak', 50000, 'RPA', 30, '2015-06-15'),
(2, 'Kumar', 45000, 'Mech', 32, '2014-03-22'),
(3, 'Raja', 55000, 'DA', 34, '2012-11-11'),
(4, 'Arun', 40000, 'DAT', 29, '2018-01-10'),
(5, 'Vasanth', 60000, 'AI', 35, '2011-04-09');

DELIMITER //

CREATE TRIGGER trigger_senior_employee_JoiningDate
AFTER INSERT OR UPDATE ON WORKER
FOR EACH ROW
BEGIN IF DATEDIFF(CURRENT_DATE(), NEW.JoiningDate) > (5 * 365)
INSERT INTO senior_employee_log (log_time, empId, empName, joining_date) VALUES
(CURRENT_DATE(), NEW.empId, NEW.empName, NEW.JoiningDate);
END IF;
END //

DELIMITER ;

CREATE VIEW SeniorEmployeeWithEarliestJoining AS
SELECT *
FROM WORKER
WHERE DATEDIFF(CURRENT_DATE(), JoiningDate) > (5 * 365)
AND JoiningDate = (SELECT MIN(JoiningDate) FROM WORKER
WHERE DATEDIFF(CURRENT_DATE(), JoiningDate) > (5 * 365));
SELECT * FROM SeniorEmployeeWithEarliestJoining;

```

DELIMITER //

CREATE PROCEDURE getSeniorEmployeeById(IN id INT)

BEGIN

SELECT \* FROM WORKER

WHERE empId = id AND DATEDIFF(CURRENT\_DATE(), JoiningDate) > (5 \* 365);

END //

DELIMITER ;

CALL getSeniorEmployeeById(1);

DELIMITER //

CREATE PROCEDURE getAllSeniorEmployees()

BEGIN

SELECT \* FROM WORKER

WHERE DATEDIFF(CURRENT\_DATE(), JoiningDate) > (5 \* 365);

END //

DELIMITER ;

CALL getAllSeniorEmployees();

SELECT \* FROM WORKER

WHERE DATEDIFF(CURRENT\_DATE(), JoiningDate) > (5 \* 365);

UPDATE WORKER SET empSalary = empSalary \* 1.10

WHERE DATEDIFF(CURRENT\_DATE(), JoiningDate) > (5 \* 365);

SELECT \* FROM WORKER

WHERE DATEDIFF(CURRENT\_DATE(), JoiningDate) > (5 \* 365);

```
CREATE TABLE IF NOT EXISTS senior_employee_log (  
    log_time DATE,  
    empId INT,  
    empName VARCHAR(45),  
    joining_date DATE );  
  
SELECT * FROM WORKER  
WHERE DATEDIFF(CURRENT_DATE(), JoiningDate) > (5 * 365)  
  
AND empSalary > 45000;
```