Task 6 — Triggers and view query for employee

Aim: To perform an action whenever records

View:
It is a virtual table based on the result-set of an sql statement.

Creating a view

SQL

CREATE VIEW employee_public_info AS
SELECT
    employee_id,
    first-name
    last-name,
    email
FROM
    employees
where
    is_active = 1

Query to view

SELECT first_name, email FROM employee
    public info where employee_id=104;

Output

employee_id	first_name	last_name	email	salary
101	Rajesh	Khanna	RK@gmail.com	30,000
102	Valan	uday	VV@gmail.com	43,000
103	Rave	-	Ravi@gmail.com	15,000
104	Shaan	-	Shaan@gmail.com	40,000

Treggers :

Special type stored procedure that automecally runs occur in database

Query.

CREATE TRIGGGER before_employee_salary update

BEFORE UPPATE ON employees

For each row

Begen

IF OLD.salary <7 NEW.salary THEN

INSERT INTO salary_audit (emp_id, old salary, new_salary

values (OLD.employee_id, OLD.salary, NEW.salary);

END IF;

END;

Query:
UPDATE employees
SET salary = 75600
where employye_id = 101;

Output

emp_id	old_salary	new_salary	changed at
101	60000	75600	2025-09-15

Result: The implementation of triggers and views on the database has been successfully completed and verified