Lab Assignment 10

-----------------------------------------------------------------------------------------------------------------------------

Name: Prathamesh Sadashiv Gadekar

Roll no.:15

Batch: S1

Class :SE-IT

-----------------------------------------------------------------------------------------------------------------------------

Microsoft Windows [Version 10.0.26100.3624]

(c) Microsoft Corporation. All rights reserved.

C:\Users\Admin>MySQL -u root -p

Enter password: \*\*\*\*

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 30

Server version: 8.0.40 MySQL Community Server - GPL

Copyright (c) 2000, 2024, Oracle and/or its affiliates.Oracle is a registered trademark of Oracle Corporation and/or its

affiliates. Other names may be trademarks of their respective

owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> **SHOW DATABASES;**

+--------------------+

| Database |

+--------------------+

| ass\_7 |

| ass\_\_9p |

| dumy |

| exp\_7 |

| exp\_9 |

| information\_schema |

| it\_dept |

| mysql |

| performance\_schema |

| sys |

| xyzsolutions |

+--------------------+

11 rows in set (0.00 sec)

mysql> **CREATE DATABASE ASS\_10;**

Query OK, 1 row affected (0.02 sec)

mysql> **USE ASS\_10;**

Database changed

mysql> -- 1. Create Table

mysql> **CREATE TABLE student\_info\_india (**

**-> student\_id INT,**

**-> student\_name VARCHAR(50),**

**-> city VARCHAR(50),**

**-> age INT**

**-> );**

Query OK, 0 rows affected (0.02 sec)

mysql> **-- 2. Create a Database Trigger**

mysql> **-- Step 1: Create Log Table**

mysql> CREATE TABLE student\_log (

-> log\_id INT AUTO\_INCREMENT PRIMARY KEY,

-> message VARCHAR(255),

-> log\_time TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

-> );

Query OK, 0 rows affected (0.02 sec)

mysql> **-- Step 2: Create Trigger**

mysql> DELIMITER $$

mysql> CREATE TRIGGER after\_student\_insert

-> AFTER INSERT ON student\_info\_india

-> FOR EACH ROW

-> BEGIN

-> INSERT INTO student\_log (message)

-> VALUES (CONCAT('New student inserted: ', NEW.student\_name, ' from ', NEW.city));

-> END $$

Query OK, 0 rows affected (0.01 sec)

mysql> DELIMITER ;

mysql> **-- Test the Trigger**

mysql> INSERT INTO student\_info\_india (student\_id, student\_name, city, age)

-> VALUES (25, 'Tanvi', 'Delhi', 21);

Query OK, 1 row affected (0.01 sec)

mysql> SELECT \* FROM student\_log;

+--------+----------------------------------------+---------------------+

| log\_id | message | log\_time |

+--------+----------------------------------------+---------------------+

| 1 | New student inserted: Tanvi from Delhi | 2025-04-07 00:08:25 |

+--------+----------------------------------------+---------------------+

1 row in set (0.00 sec)

mysql> INSERT INTO student\_info\_india (student\_id, student\_name, city, age)

-> VALUES (15, 'ANUU', 'PUNE', 29);

Query OK, 1 row affected (0.00 sec)

mysql> SELECT \* FROM student\_log;

+--------+----------------------------------------+---------------------+

| log\_id | message | log\_time |

+--------+----------------------------------------+---------------------+

| 1 | New student inserted: Tanvi from Delhi | 2025-04-07 00:08:25 |

| 2 | New student inserted: ANUU from PUNE | 2025-04-07 00:08:25 |

+--------+----------------------------------------+---------------------+

2 rows in set (0.00 sec)

mysql>