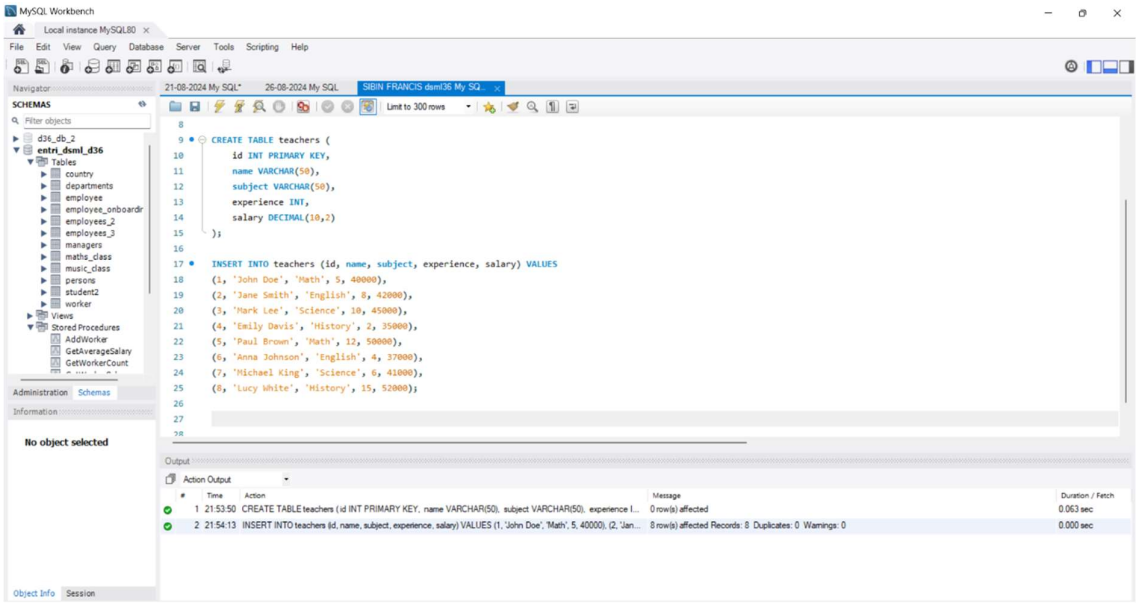
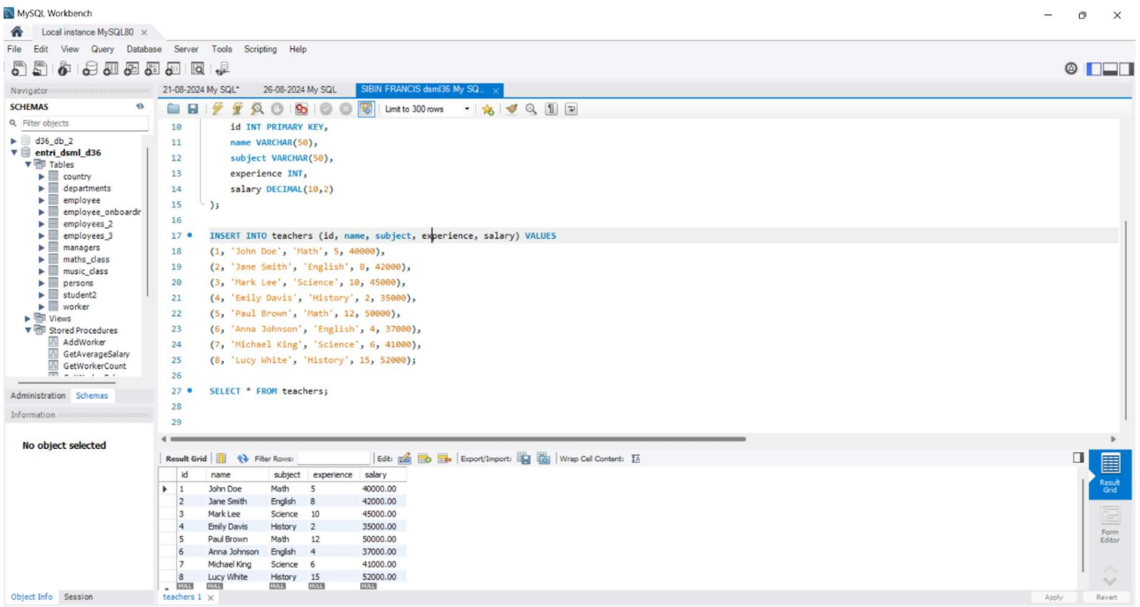
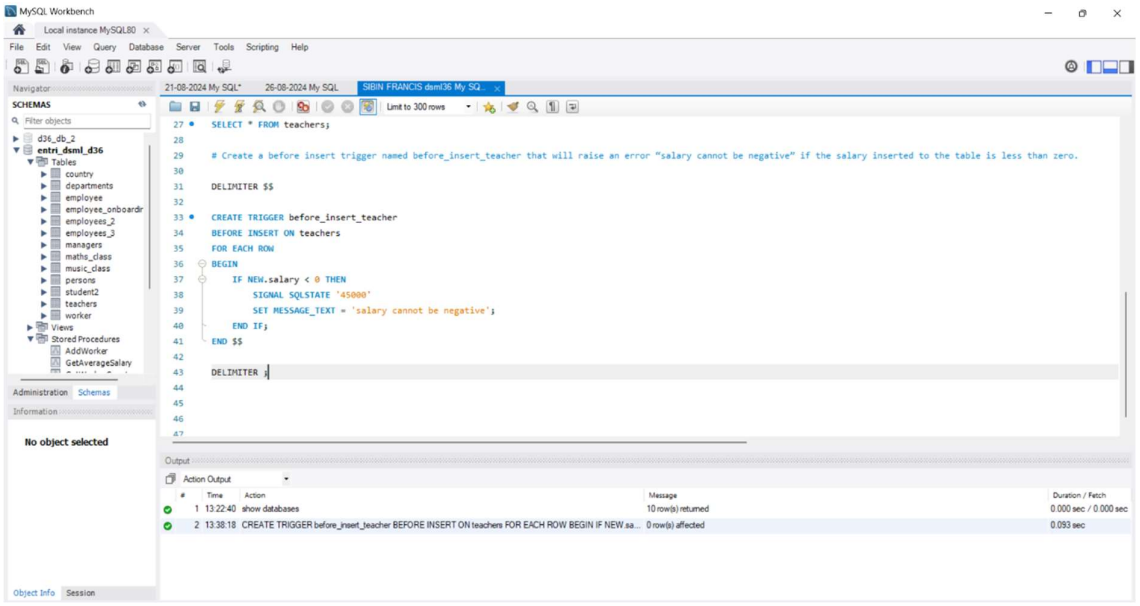
TRIGGERS

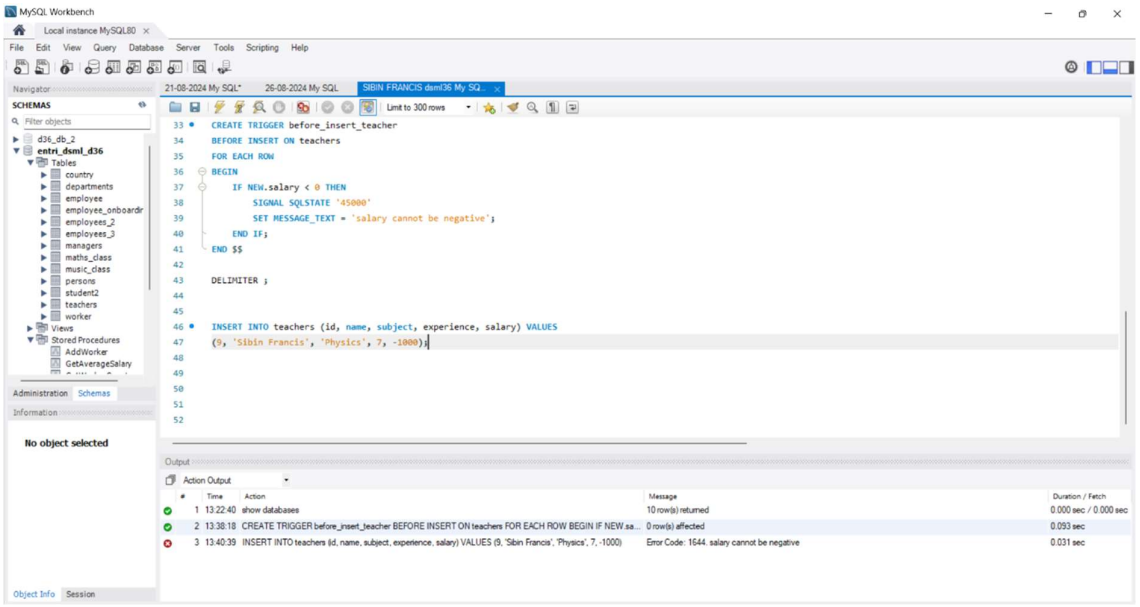
- **CREATED A TABLE NAMED TEACHERS AND INSERTED 8 ROWS**



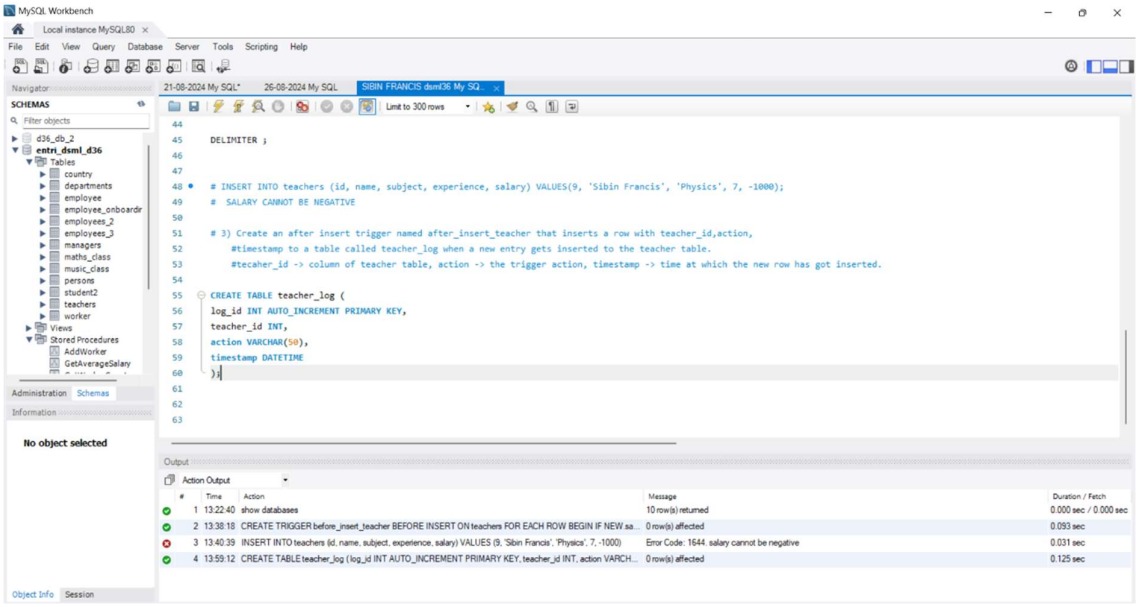


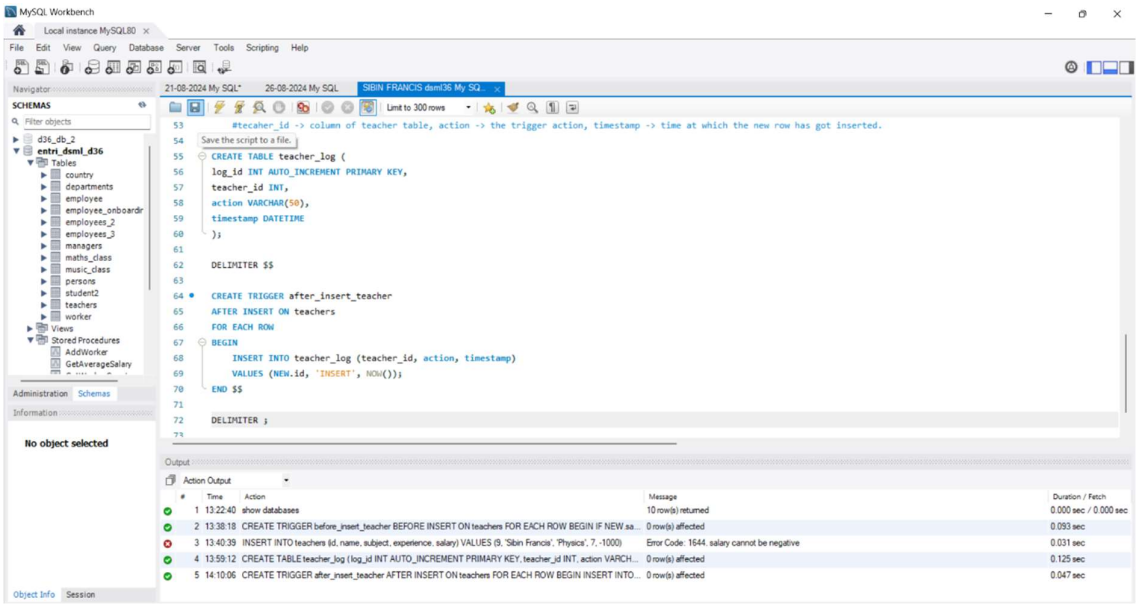
- **CREATED A BEFORE INSERT TRIGGER NAMED BEFORE_INSERT_TEACHER THAT WILL RAISE AN ERROR “SALARY CANNOT BE NEGATIVE” IF THE SALARY INSERTED TO THE TABLE < THAN ZERO.**

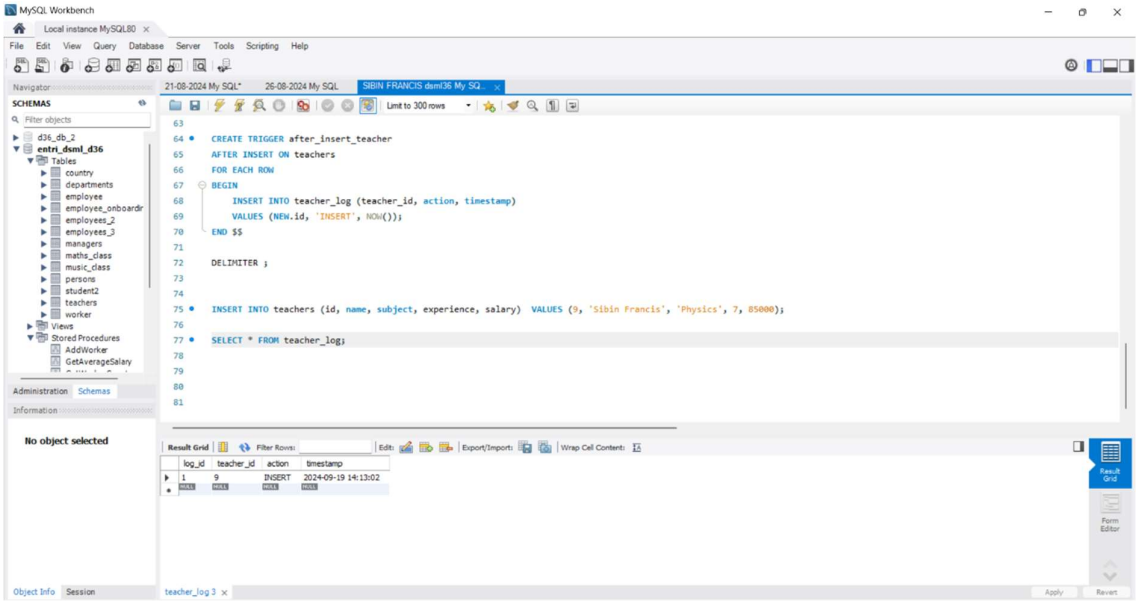




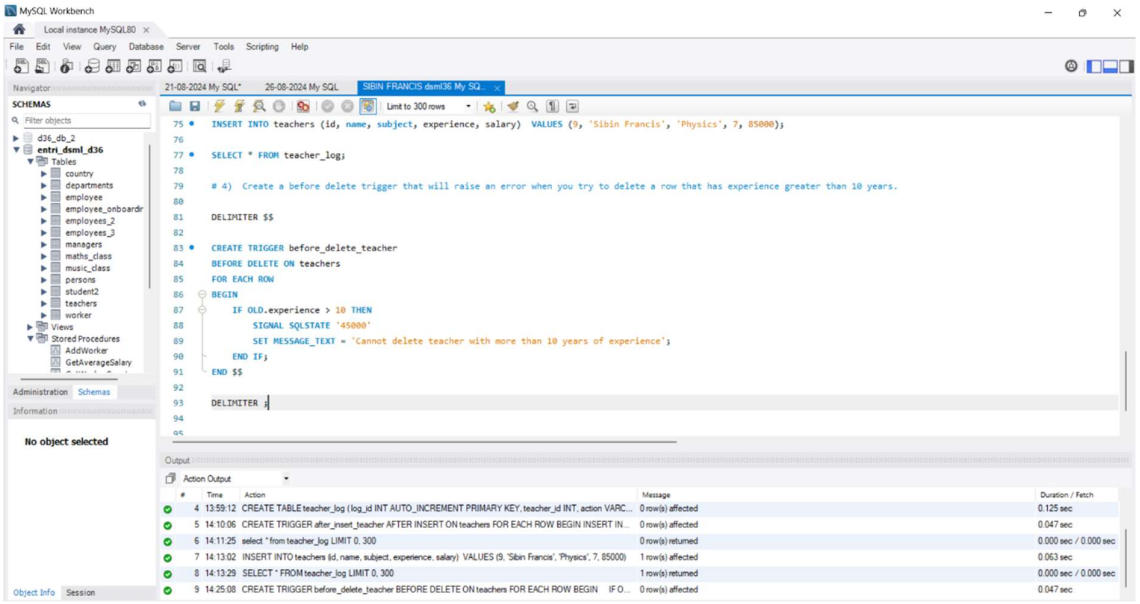
- **CREATED AN AFTER INSERT TRIGGER NAMED AFTER_INSERT_TEACHER THAT INSERTS A ROW WITH TEACHER_ID, ACTION, TIMESTAMP TO A TABLE CALLED TEACHER_LOG WHEN A NEW ENTRY GETS INSERTED TO THE TEACHER TABLE.**

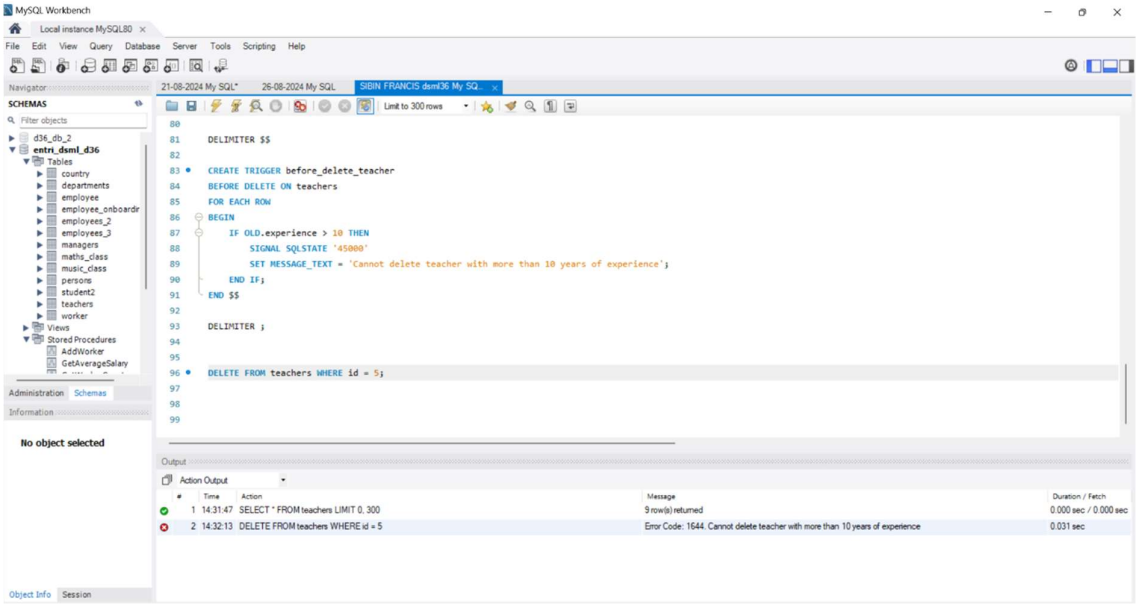




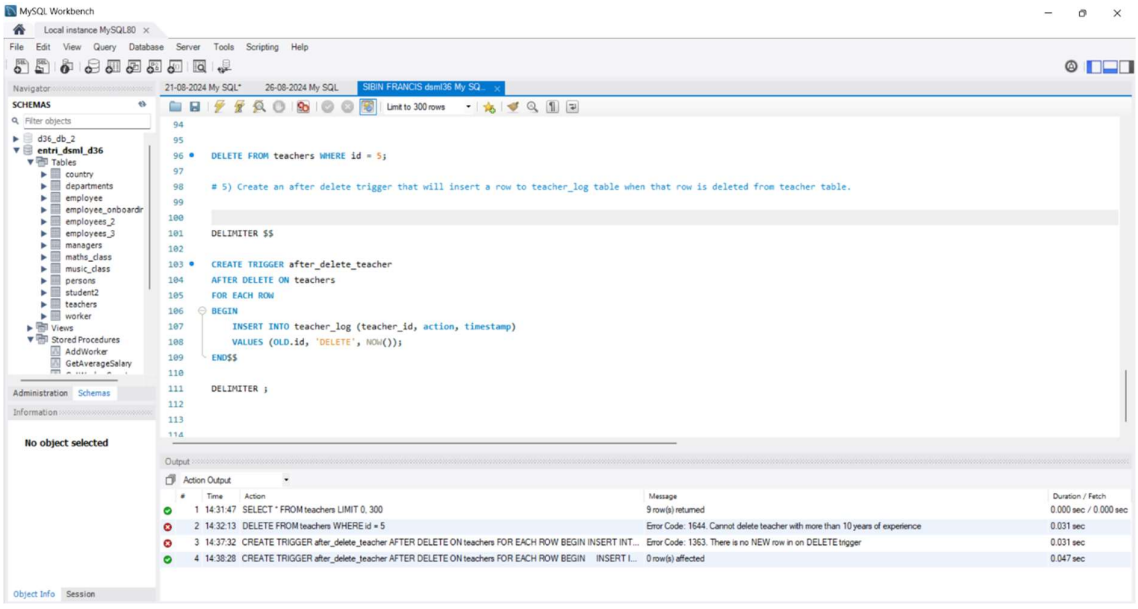


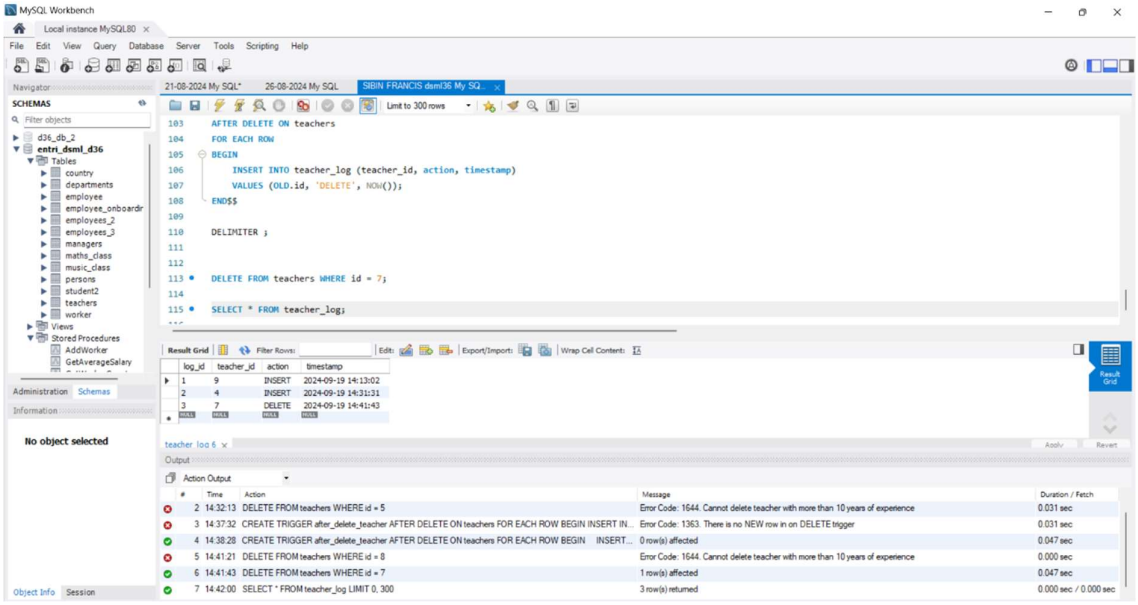
➢ **CREATED A BEFORE DELETE TRIGGER THAT WILL RAISE AN ERROR WHEN YOU TRY TO DELETE A ROW THAT HAS EXPERIENCE > 10 YEARS.**





➢ CREATED AN AFTER DELETE TRIGGER THAT WILL INSERT A ROW TO TEACHER_LOG TABLE WHEN THAT ROW IS DELETED FROM TEACHER TABLE.




MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
d36_db_2
entri_dsml_d36
Tables
country
departments
employee
employee_onboardr
employees_2
employees_3
managers
maths_class
music_class
persons
student2
teachers
worker
Views
Stored Procedures
AddWorker
GetAverageSalary
Administration Schemas
Information
No object selected
Object Info Session
21-08-2024 My SQL*
26-08-2024 My SQL
SIBIN FRANCIS dsml36 My SQ...
Limit to 300 rows
103 AFTER DELETE ON teachers
104 FOR EACH ROW
105 BEGIN
106 INSERT INTO teacher_log (teacher_id, action, timestamp)
107 VALUES (OLD.id, 'DELETE', NOW());
108 END$$
109
110 DELIMITER ;
111
112
113 DELETE FROM teachers WHERE id = 7;
114
115 SELECT * FROM teacher_log;
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
log_id teacher_id action timestamp
1 9 INSERT 2024-09-19 14:13:02
2 4 INSERT 2024-09-19 14:31:31
3 7 DELETE 2024-09-19 14:41:43
teacher_log 6
Apply
Revert
Output
Action Output
Time Action Message Duration / Fetch
2 14:32:13 DELETE FROM teachers WHERE id = 5 Error Code: 1644. Cannot delete teacher with more than 10 years of experience 0.031 sec
3 14:37:32 CREATE TRIGGER after_delete_teacher AFTER DELETE ON teachers FOR EACH ROW BEGIN INSERT IN... Error Code: 1363. There is no NEW row in on DELETE trigger 0.031 sec
4 14:38:28 CREATE TRIGGER after_delete_teacher AFTER DELETE ON teachers FOR EACH ROW BEGIN INSERT... 0 row(s) affected 0.047 sec
5 14:41:21 DELETE FROM teachers WHERE id = 8 Error Code: 1644. Cannot delete teacher with more than 10 years of experience 0.000 sec
6 14:41:43 DELETE FROM teachers WHERE id = 7 1 row(s) affected 0.047 sec
7 14:42:00 SELECT * FROM teacher_log LIMIT 0, 300 3 row(s) returned 0.000 sec / 0.000 sec