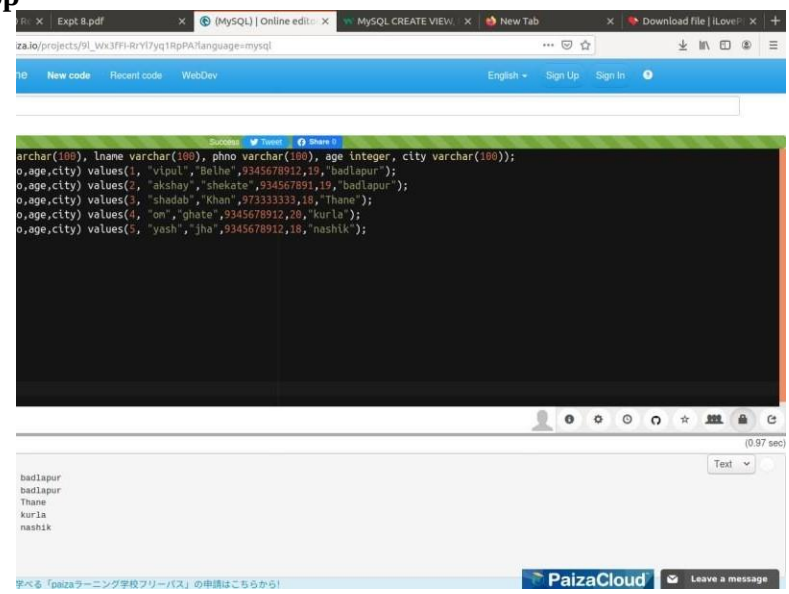
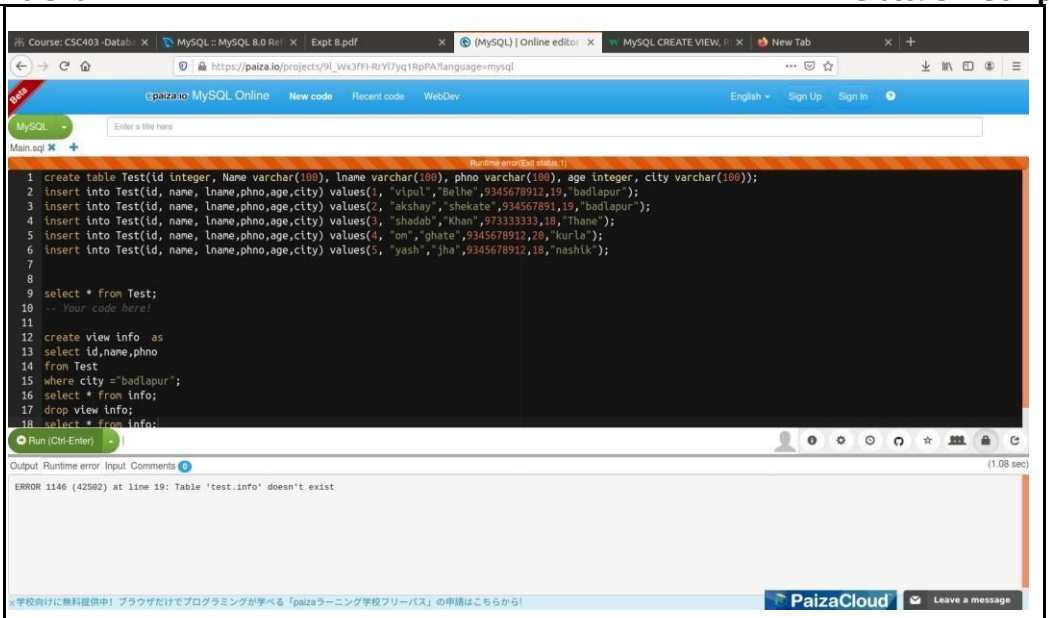
Experiment No: 8

Name : Ashish jha Roll no.27 Batch : B

Topic:	Perform Views and Triggers.
Prerequisite:	Knowledge of Perform Views, Triggers. and SQL syntax.
Mapping With COs:	CSL402.4
Objective:	Creation and dropping of Views and Triggers.
Outcome:	After completion of this lab, the student should be able to: 1. - Explain the purpose of creating Views and Triggers. 2. - Create and drop Views 3. - Create useful Triggers
Instructions:	1. This experiment is a compulsory experiment. All the students are required to perform this experiment individually. 2. Implement Views and Triggers for the assigned system.
Deliverables:	**For Submissions:** 1. All implemente queries with output. 1. All implemented queries with output. **Create and drop Views:** **CREATE VIEWS:**  **ROP VIEWS:**

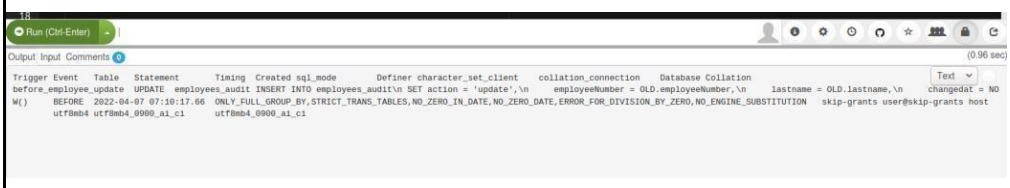


Create useful Triggers:

```
CREATE TABLE employees_audit (     id INT
AUTO_INCREMENT PRIMARY KEY,
    employeeNumber INT NOT NULL,
lastname VARCHAR(50) NOT NULL,
changedat DATETIME DEFAULT NULL,
    action VARCHAR(50) DEFAULT NULL
);


CREATE TRIGGER before_employee_update
    BEFORE UPDATE ON employees_audit
    FOR EACH ROW
 INSERT INTO employees_audit
SET action = 'update',
     employeeNumber = OLD.employeeNumber,
     lastname = OLD.lastname,
changedat = NOW();

SHOW TRIGGERS;
```



2. Viva based on Views and Triggers.

Conclusion:	Thus creation and dropping of View and Triggers are executed successfully.
References:	Put the reference of resources used to perform this experiment. (Referred textbooks/websites etc.)

Don Bosco Institute of Technology

Department of Computer Engineering

Assessment Rubric for Experiment No. 8

Title of Experiment : Perform Views and Triggers.
Year and Semester : 2nd Year and IVth Semester **Submission Date : 10/04/22 Name:** Ashish Jha
Batch : B
Roll No. : 27

Sr. No.	Criteria	1 Marks	2 Marks	3 Marks	4 Marks	5 Marks
1	Execution	Executed 10-30% queries based on following: View (Create both types, Apply DML operation, With Read Onle, With Check Constraint, Drop) - Triggers (Create, Apply and Drop)	Executed 31-50% queries based on following: View (Create both types, Apply DML operation, With Read Onle, With Check Constraint, Drop) - Triggers (Create, Apply and Drop)	Executed 51-70% queries based on following: View (Create both types, Apply DML operation, With Read Onle, With Check Constraint, Drop) - Triggers (Create, Apply and Drop)	Executed 71-89% queries based on following: View (Create both types, Apply DML operation, With Read Onle, With Check Constraint, Drop) - Triggers (Create, Apply and Drop)	Executed 90-100% queries based on following: View (Create both types, Apply DML operation, With Read Onle, With Check Constraint, Drop) - Triggers (Create, Apply and Drop)
2	Documentation	20-39% of solutions are documented properly.	40-59% of solutions are documented properly.	60-79% of solutions are documented properly.	80-100% of the solution is documented properly.	
3	Viva	Students hardly answered.	Students have problems while answering.	Questions are answered fairly well.	Questions are answered completely and correctly.	
4	Submission on Time	Submitted after the given deadline	Submitted before the given deadline			