MAY 28, 2024 - ACTIVITY

Name: Mark John Jopia

Functions and Procedures

Using your University System, write the following queries for the **Instructor** relation:

1. A view to display all the instructors.
2. A procedure for searching instructor using ID, name, or department.
3. A procedure for adding an instructor.
4. A procedure for updating instructor data.
5. A procedure for deleting an instructor.

Refer to **page 198** in the PDF and visit the **official documentation** of MySQL because the syntax might be different in MySQL. Here is the documentation: https://dev.mysql.com/doc/refman/8.0/en/create-procedure.html

Write the queries below:

1. View:

CREATE VIEW 'instructors' AS

SELECT *

FROM instructor;

2. Procedure:

CREATE PROCEDURE 'search_instructor'(in keyword VARCHAR(5))

    BEGIN

            SELECT * FORM instructor

            WHERE ID = keyword OR name = keyword OR dept_name = keyword;

    END

3. Add:

CREATE PRODUCE 'add_instructor'(in ID VARCHAR(5)), in name VARCHAR(20), in dept_name VARCHAR(20) in salary decimal(8,2)

BEGIN

            INSERT INTO instructor

    VALUES (ID, name, dept-name, salary);

4. Update

CREATE 'update_instructor'(in initial_id varchar(5)), in new_name varchar(20), in new_dept_name varchar(20), in new_salary decimal(8,2))

BEGIN

UPDATE instructor

SET name = new_name, dept_name = new-dept_name, salary = new_salary

WHERE ID = initial_id;

END

5. Delete

CREATE PROCDURE 'delete_instructor' (in keyword varchar(5))

BEGIN

DELETE FROM instructor

WHERE ID = keyword;

END