S5 Semester
Application Software Development Lab (ASDL)

Github : **[ceccs18c59/cs331:Application Software Development Lab (github.com)](github.com)**

Experiment 11

SQL TRIGGERS.

SQL Query

```
USE cs333;
CREATE TABLE EMPLOYEE (
    CODE VARCHAR(10),
    NAME CHAR(50),
    DOB DATE NOT NULL,
    DESIGNATION CHAR(50),
    SALARY INT
);

INSERT INTO EMPLOYEE VALUES ('E01', 'Peter', '1985-09-26', 'CEO', '150000');
INSERT INTO EMPLOYEE VALUES ('E02', 'Andrew', '1986-11-10', 'CTO', '100000');
INSERT INTO EMPLOYEE VALUES ('E03', 'Chris', '1992-02-16', 'Sales Manager',
'80000');
INSERT INTO EMPLOYEE VALUES ('E04', 'Daniel', '1987-04-21', 'Clerk', '40000');
INSERT INTO EMPLOYEE VALUES ('E05', 'Ethan', '1991-07-10', 'Clerk', '40000');

DELIMITER $$
CREATE TRIGGER INSERT_PREVENT
BEFORE INSERT
ON EMPLOYEE FOR EACH ROW
BEGIN
IF (CURRENT_TIME() BETWEEN '17:00' AND '00:00' ) THEN
SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'NO CHANGES TO EMPLOYEE TABLE';
END IF;
END $$
DELIMITER ;

DELIMITER $$
CREATE TRIGGER UPDATE_PREVENT
BEFORE UPDATE
ON EMPLOYEE FOR EACH ROW
BEGIN
IF (CURRENT_TIME() BETWEEN '17:00' AND '00:00' ) THEN
```

```
SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'NO CHANGES TO EMPLOYEE TABLE';
END IF;
END $$
DELIMITER ;

DELIMITER $$
CREATE TRIGGER DELETE_PREVENT
BEFORE DELETE
ON EMPLOYEE FOR EACH ROW
BEGIN
IF (CURRENT_TIME() BETWEEN '17:00' AND '00:00' ) THEN
SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'NO CHANGES TO EMPLOYEE TABLE';
END IF;
END $$
DELIMITER ;
```

Result