delimiter //

CREATE TRIGGER Check\_age BEFORE INSERT ON customer

FOR EACH ROW

BEGIN

IF NEW.salary < 0 THEN

SIGNAL SQLSTATE '45000'

SET MESSAGE\_TEXT = 'ERROR:

SALARY MUST BE ATLEAST 10000';

END IF;

END; //

delimiter;

DELIMITER //

CREATE TRIGGER trg\_salary\_diff

AFTER INSERT OR UPDATE OR DELETE ON customers

FOR EACH ROW

BEGIN

DECLARE old\_sal DECIMAL(10,2);

DECLARE new\_sal DECIMAL(10,2);

DECLARE sal\_diff DECIMAL(10,2);

DECLARE op\_type VARCHAR(10);

DECLARE msg VARCHAR(255);

IF (NEW.ID IS NOT NULL AND OLD.ID IS NULL) THEN

SET old\_sal = 0;

SET new\_sal = NEW.SALARY;

SET op\_type = 'INSERT';

ELSEIF (OLD.ID IS NOT NULL AND NEW.ID IS NULL) THEN

SET old\_sal = OLD.SALARY;

SET new\_sal = 0;

SET op\_type = 'DELETE';

ELSE

SET old\_sal = OLD.SALARY;

SET new\_sal = NEW.SALARY;

SET op\_type = 'UPDATE';

END IF;

-- Calculate salary difference

SET sal\_diff = new\_sal - old\_sal;

-- Create custom message

SET msg = CONCAT('Operation: ', op\_type,

', Old Salary: ', old\_sal,

', New Salary: ', new\_sal,

', Difference: ', sal\_diff);

-- Display using SIGNAL

SIGNAL SQLSTATE '45000'

SET MESSAGE\_TEXT = msg;

INSERT INTO salary\_log(customer\_id, operation\_type, old\_salary, new\_salary, salary\_difference)

VALUES (

COALESCE(NEW.ID, OLD.ID),

op\_type,

old\_sal,

new\_sal,

sal\_diff

);

END//

DELIMITER ;

DELIMITER ;