

Step 1: Create the CUSTOMERS Table

```
CREATE TABLE CUSTOMERS (  
    ID INT PRIMARY KEY,  
    NAME VARCHAR(100),  
    AGE INT,  
    ADDRESS VARCHAR(255),  
    SALARY DECIMAL(10, 2)  
);
```

Step 2: Create the Trigger

Trigger for INSERT

```
DELIMITER //
```

```
CREATE TRIGGER after_customers_insert  
AFTER INSERT ON CUSTOMERS  
FOR EACH ROW  
BEGIN  
    SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'New row inserted with ID: ' || NEW.ID;  
END//
```

```
DELIMITER ;
```

Trigger for UPDATE

```
DELIMITER //
```

```
CREATE TRIGGER after_customers_update  
AFTER UPDATE ON CUSTOMERS  
FOR EACH ROW  
BEGIN  
    DECLARE salary_diff DECIMAL(10, 2);  
    SET salary_diff = NEW.SALARY - OLD.SALARY;  
    SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'Salary difference: ' || salary_diff;  
END//
```

```
DELIMITER ;
```

Trigger for DELETE

```
DELIMITER //
```



```
CREATE TRIGGER after_customers_delete  
AFTER DELETE ON CUSTOMERS  
FOR EACH ROW  
BEGIN  
    SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'Row deleted with ID: ' || OLD.ID;  
END//
```



```
DELIMITER ;
```

Step 3: Testing the Triggers

Insert a new customer:

```
INSERT INTO CUSTOMERS (ID, NAME, AGE, ADDRESS, SALARY) VALUES (1, 'John Doe', 30, '123 Elm Street', 5000);
```

Update an existing customer:

```
UPDATE CUSTOMERS SET SALARY = 5500 WHERE ID = 1;
```

Delete an existing customer:

```
DELETE FROM CUSTOMERS WHERE ID = 1;
```