

**PL/Sql-9 Trigger: Create a row level trigger for the CUSTOMERS table that would fire INSERT or UPDATE or DELETE operations performed on the CUSTOMERS table. This trigger will display the salary difference between the old values and new values.**

```
CREATE TABLE Customers (  
    CustID INT PRIMARY KEY,  
    CustName VARCHAR(50),  
    Salary DECIMAL(10,2)  
);
```

```
CREATE TABLE Salary_Log (  
    LogID INT AUTO_INCREMENT PRIMARY KEY,  
    CustID INT,  
    OldSalary DECIMAL(10,2),  
    NewSalary DECIMAL(10,2),  
    Difference DECIMAL(10,2),  
    ChangeDate DATETIME  
);
```

```
INSERT INTO Customers VALUES  
(101, 'Ravi', 50000),  
(102, 'Anita', 60000),  
(103, 'Meena', 55000);
```

**#Create BEFORE UPDATE Trigger**  
DELIMITER //

```
CREATE TRIGGER before_customers_update  
BEFORE UPDATE ON Customers  
FOR EACH ROW  
BEGIN  
    INSERT INTO Salary_Log(CustID, OldSalary, NewSalary, Difference,  
ChangeDate)  
    VALUES (OLD.CustID, OLD.Salary, NEW.Salary, NEW.Salary - OLD.Salary,  
NOW());  
END //
```

DELIMITER ;

**#Perform an UPDATE**  
**UPDATE Customers**  
**SET Salary = 65000**  
**WHERE CustID = 101;**

**SELECT \* FROM Salary\_Log;**