**NAME – AYUSH BRIJESH SHAH**

**ID – 20DCS106**

**SUBJECT – DATABASE MANAGEMENT SYSTEM**

**SUBJECT CODE – CE246**

**SEMESTER - 4**

**PHARMACY DATABASE**

**MANAGEMENT SYSTEM**

**Introduction**

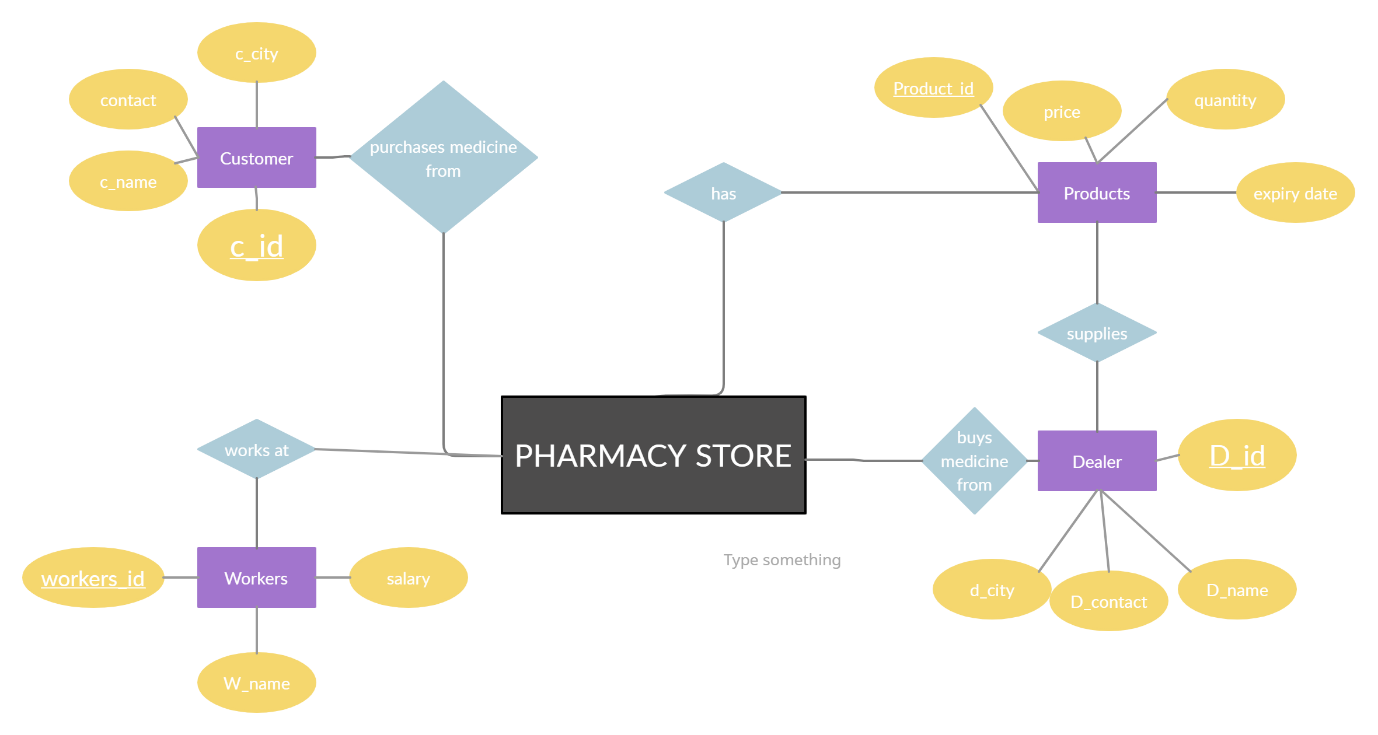
This DBMS project is based on Pharmacy Store Management System. It provide you the information of customers, workers, products and dealers of that pharmacy store.

In this project I have used SQL as well as PL/SQL queries.

**Data Entities:**

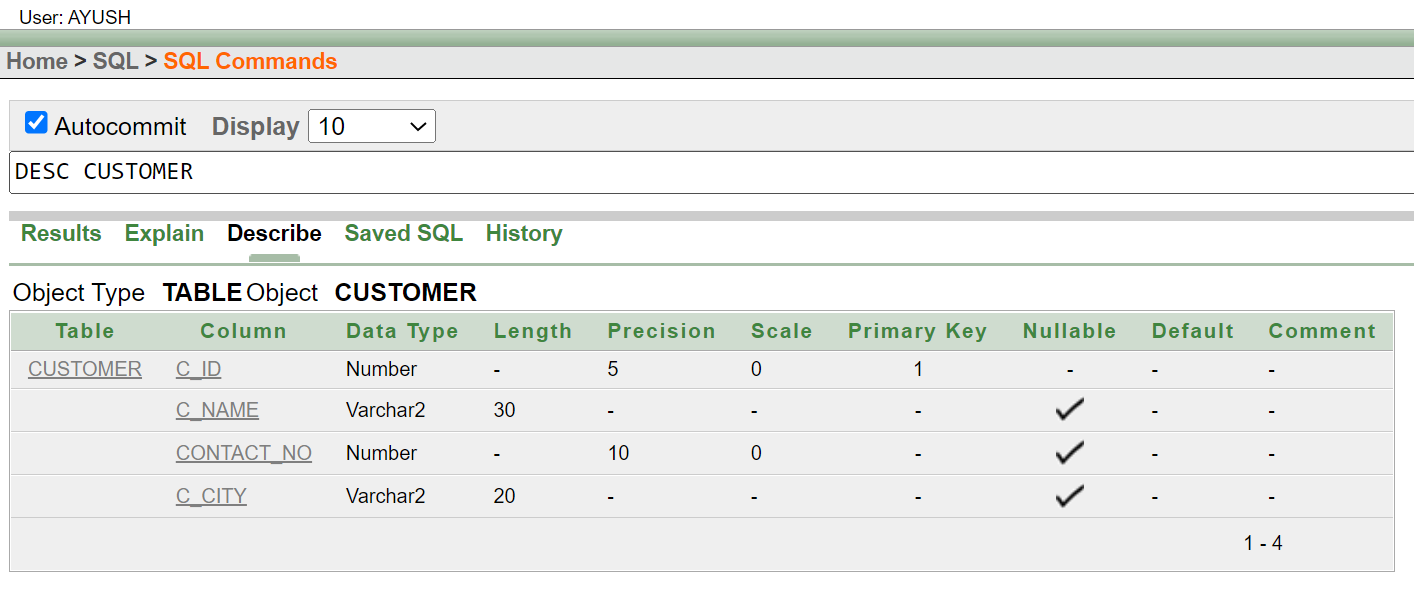
1. **Customers:** It has attributes of Customer Id (Primary Key), Customer Name, Contact Number and City.
2. **Dealer:** It has attributes of Dealer Id (Primary Key), Dealer Name, Dealer Contact and City
3. **Products:** It has attributes of Product Id (Primary Key), Product Name, Price, Quantity and Expiry Date. Expiry Date is of type Date.
4. **Workers:** It has attributes of Workers Id (Primary Key), Workers Name and Salary.

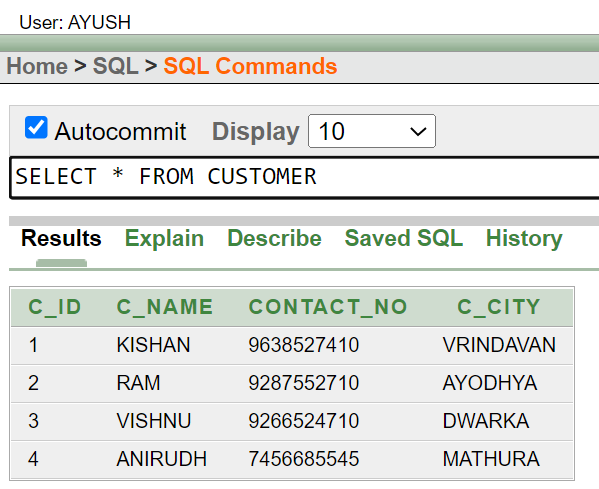
**ER DIAGRAM:**

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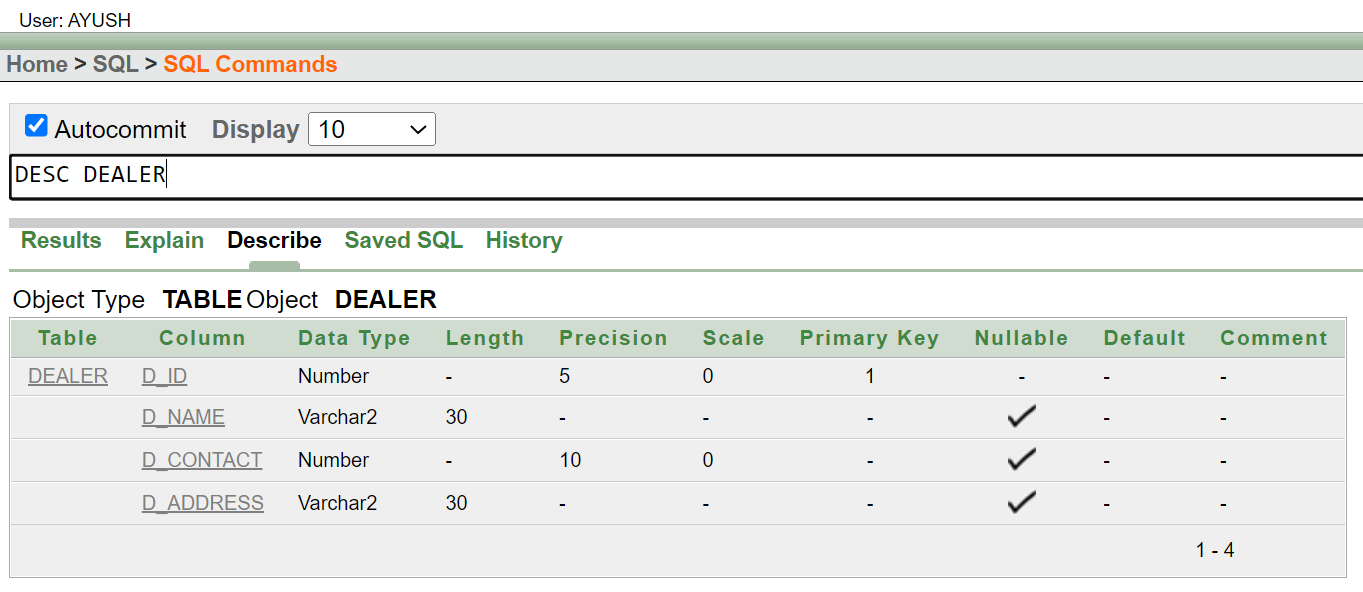
**TABLES**

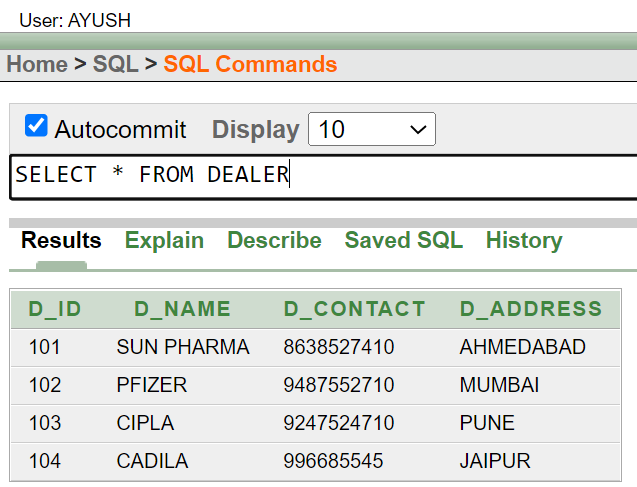
1. **CUSTOMERS:**

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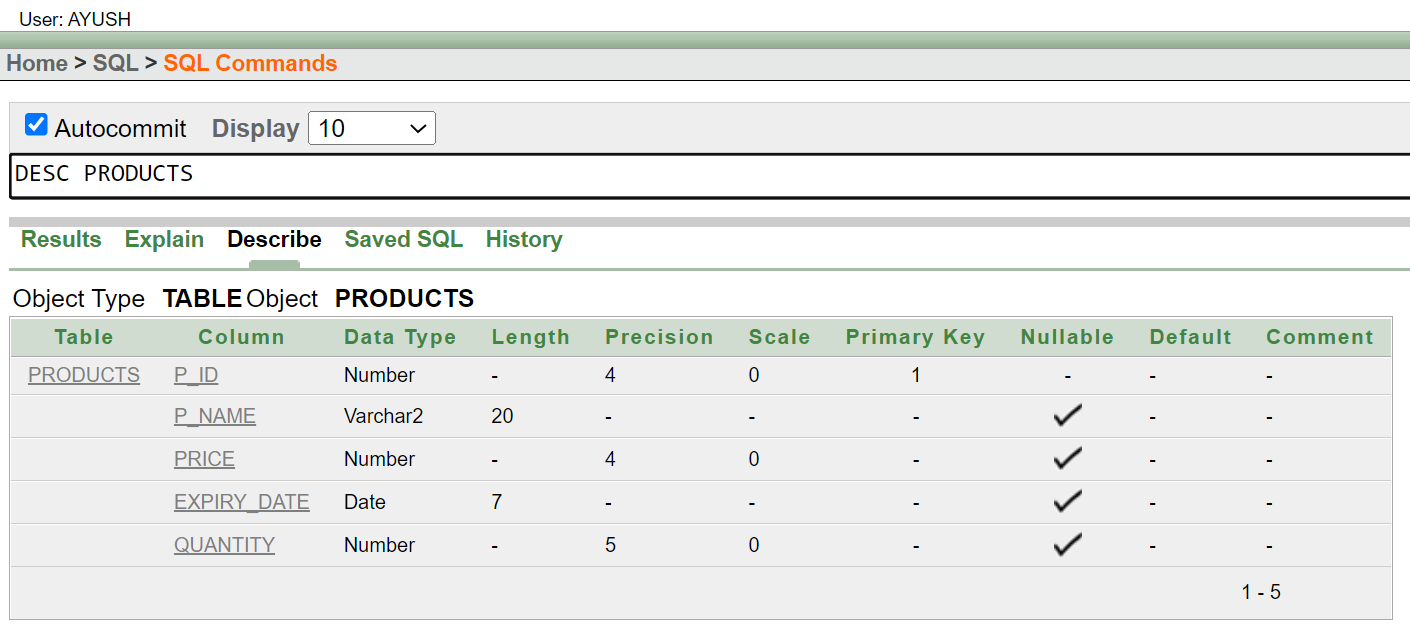
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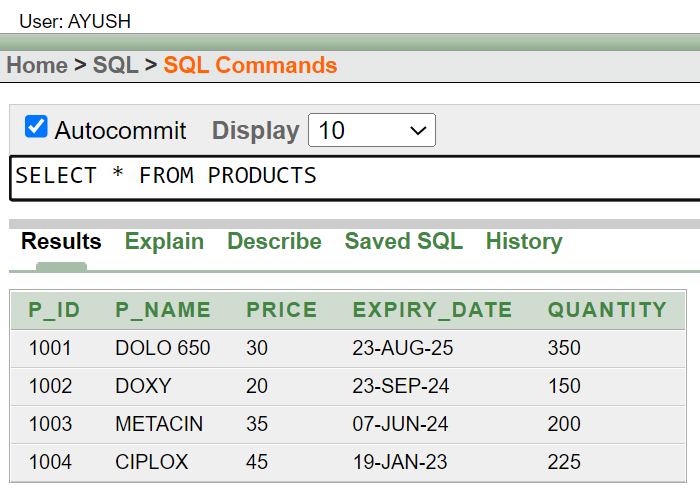
1. **DEALERS:**

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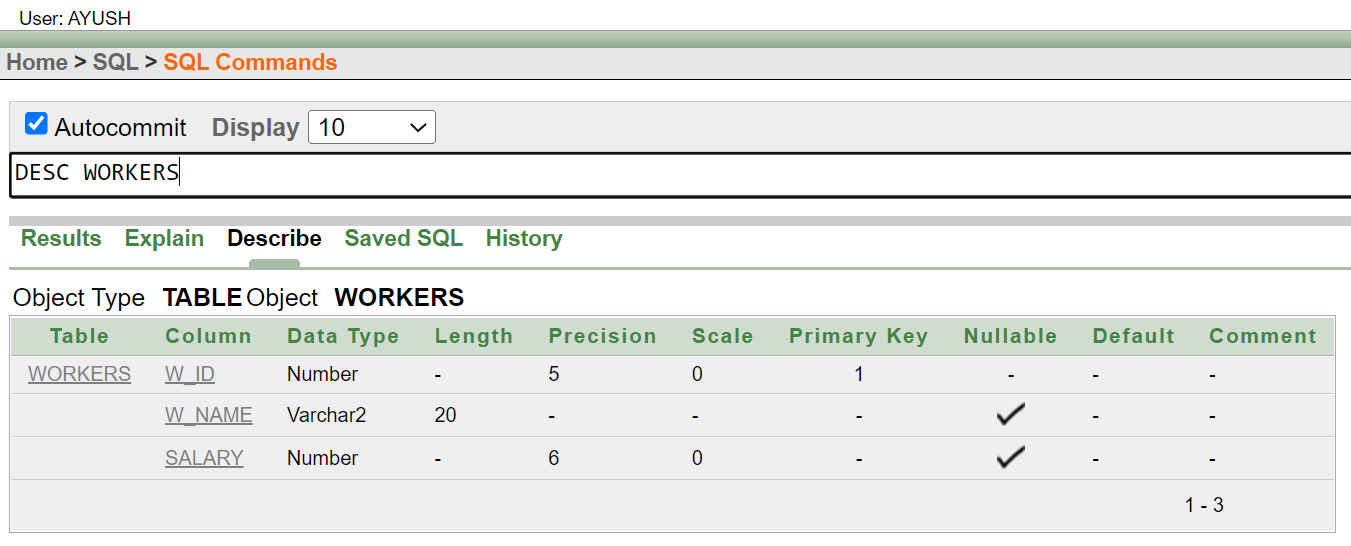
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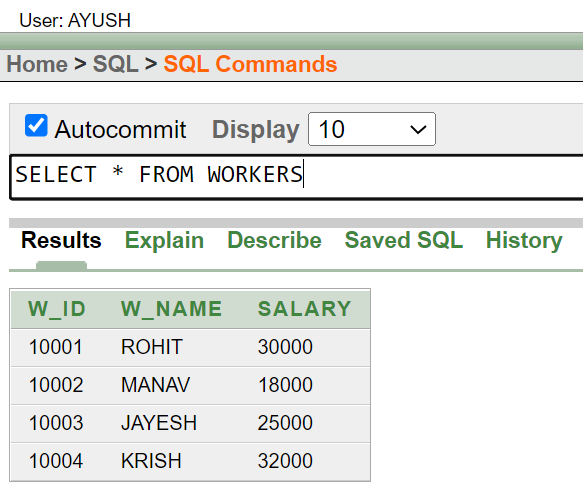
1. **PRODUCTS:**

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1. **WORKERS:**

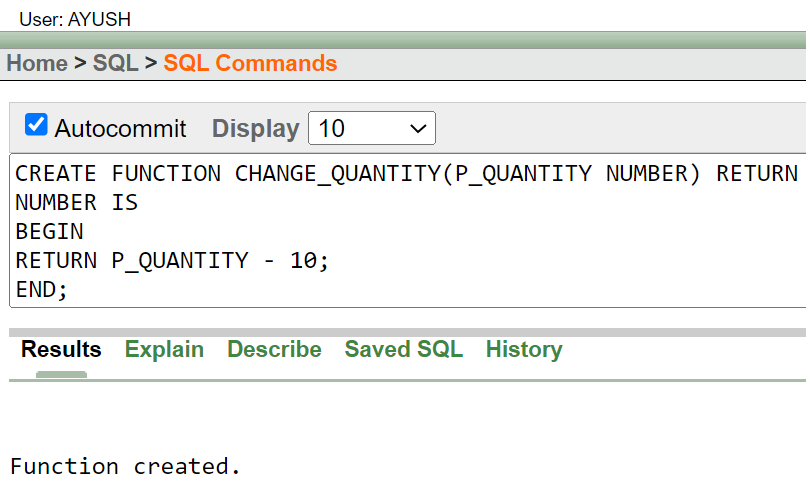
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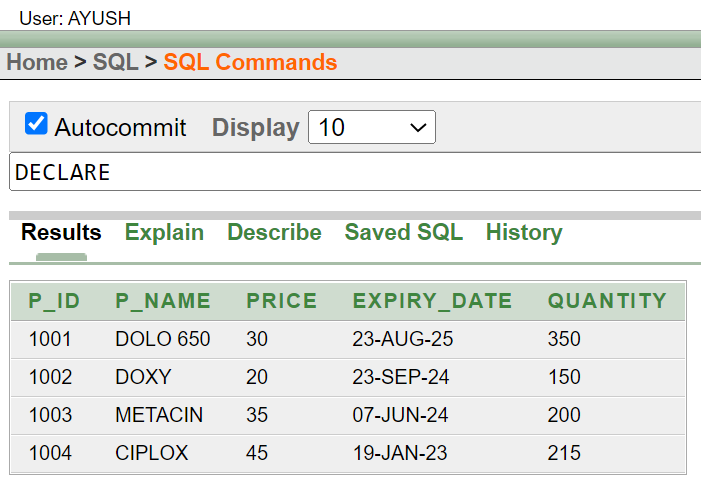
**Using PL/SQL:**

1. **FUNCTION:**

**CREATING FUNCTION:**

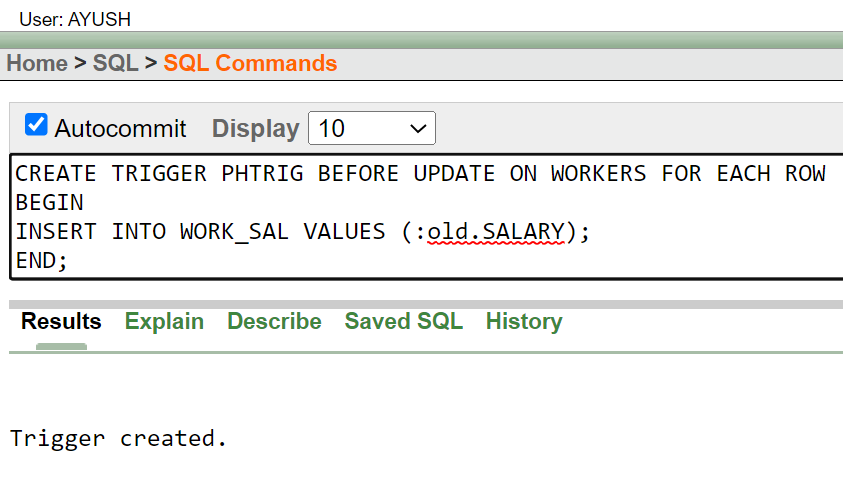
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**AFTER UPDATION:**

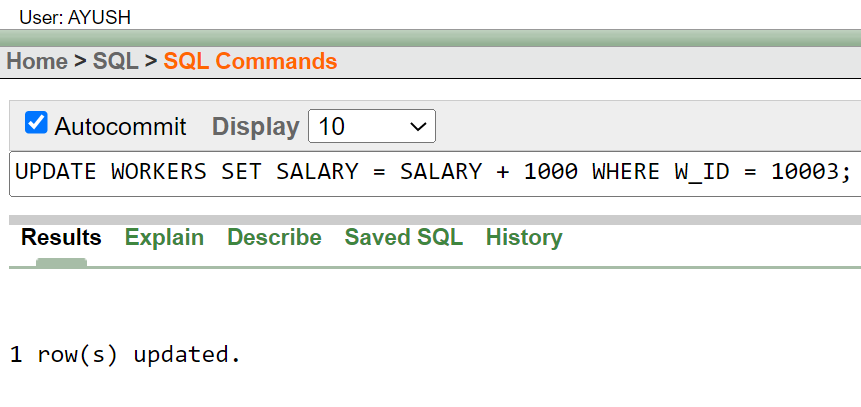
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1. **TRIGGER:**

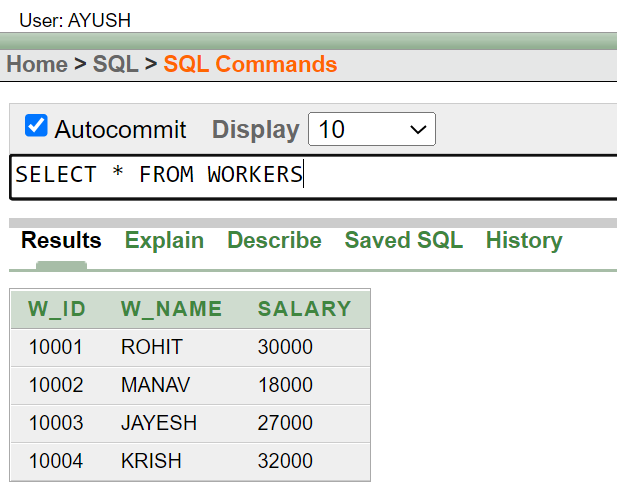
**CREATING A TRIGGER:**

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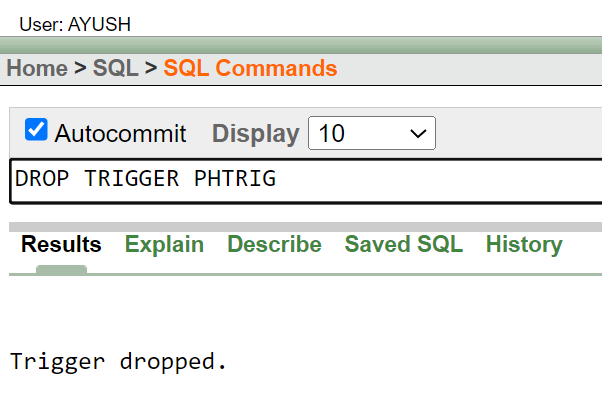
**UPDATION:**

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**DISPLAY:**

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**DROPPING TRIGGER:**

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**SOURCE CODE:**

**CREATING TABLES AND INSERTING VALUES**

CUSTOMER TABLE

CREATE TABLE CUSTOMER (C\_ID NUMBER PRIMARY KEY, C\_NAME VARCHAR2(30), CONTACT\_NO NUMBER(10), C\_CITY VARCHAR2(20))

INSERT ALL

INTO CUSTOMER VALUES (001, 'KISHAN', 9638527410, 'VRINDAVAN')

INTO CUSTOMER VALUES (002, 'RAM', 9287552710, 'AYODHYA')

INTO CUSTOMER VALUES (003, 'VISHNU', 9266524710, 'DWARKA')

INTO CUSTOMER VALUES (004, 'ANIRUDH', 7456685545, 'MATHURA')

SELECT \* FROM DUAL

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DEALER TABLE

CREATE TABLE DEALER (D\_ID NUMBER(5) PRIMARY KEY, D\_NAME VARCHAR2(30), D\_CONTACT NUMBER(10), D\_ADDRESS VARCHAR2(30))

INSERT ALL

INTO DEALER VALUES (101, 'SUN PHARMA', 8638527410, 'AHMEDABAD')

INTO DEALER VALUES (102, 'PFIZER', 9487552710, 'MUMBAI')

INTO DEALER VALUES (103, 'CIPLA', 9247524710, 'PUNE')

INTO DEALER VALUES (104, 'CADILA', 996685545, 'JAIPUR')

SELECT \* FROM DUAL

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PRODUCTS TABLE

CREATE TABLE PRODUCTS (P\_ID NUMBER(4) PRIMARY KEY, P\_NAME VARCHAR2(20), PRICE NUMBER(4), EXPIRY\_DATE DATE, QUANTITY NUMBER(5))

INSERT ALL

INTO PRODUCTS VALUES(1001, 'DOLO 650', 30, '23-AUG-25', 350)

INTO PRODUCTS VALUES(1002, 'DOXY', 20, '23-SEP-24', 150)

INTO PRODUCTS VALUES(1003, 'METACIN', 35, '07-JUN-24', 200)

INTO PRODUCTS VALUES(1004, 'CIPLOX', 45, '19-JAN-23', 225)

SELECT \* FROM DUAL

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WORKERS TABLE

CREATE TABLE WORKERS (W\_ID NUMBER(5) PRIMARY KEY, W\_NAME VARCHAR2(20), SALARY NUMBER(6))

INSERT ALL

INTO WORKERS VALUES (10001, 'ROHIT', 30000)

INTO WORKERS VALUES (10002, 'MANAV', 18000)

INTO WORKERS VALUES (10003, 'JAYESH', 25000)

INTO WORKERS VALUES (10004, 'KRISH', 32000)

SELECT \* FROM DUAL

**PL/SQL QUERIES – FUNCTION:**

CREATING FUNCTION

CREATE FUNCTION CHANGE\_QUANTITY(P\_QUANTITY NUMBER) RETURN

NUMBER IS

BEGIN

RETURN P\_QUANTITY - 10;

END;

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FUNCTION CALLING

DECLARE

P\_NO NUMBER :=:ENTER\_PRODUCT\_ID;

P\_QUANTITY NUMBER;

A1 NUMBER;

BEGIN

SELECT P\_ID INTO A1 FROM PRODUCTS WHERE P\_ID = P\_NO;

IF (A1 = P\_NO) THEN

SELECT QUANTITY INTO P\_QUANTITY FROM PRODUCTS WHERE P\_ID = P\_NO;

P\_QUANTITY := CHANGE\_QUANTITY(P\_QUANTITY);

UPDATE PRODUCTS SET QUANTITY = P\_QUANTITY WHERE P\_ID = P\_NO;

ELSE

DBMS\_OUTPUT.PUT\_LINE('RECORD NOT FOUND');

END IF;

**PL/SQL QUERIES – TRIGGER:**

CREATING AND IMPLEMENTING TRIGGER

CREATE TABLE WORK\_SAL (WORK\_SALARY NUMBER(6))

CREATE TRIGGER PHTRIG BEFORE UPDATE ON WORKERS FOR EACH ROW

BEGIN

INSERT INTO WORK\_SAL VALUES (:old.SALARY);

END;

UPDATE WORKERS SET SALARY = SALARY + 1000 WHERE W\_ID = 10003;

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DROPPING TRIGGER

DROP TRIGGER PHTRIG