CREATE TABLE Tickets (

Ticket\_ID INT PRIMARY KEY,

Event\_Name VARCHAR(100),

Event\_Date DATE,

Ticket\_Price DECIMAL(10, 2),

Quantity\_Sold INT

);

INSERT INTO Tickets (Ticket\_ID, Event\_Name, Event\_Date, Ticket\_Price, Quantity\_Sold)

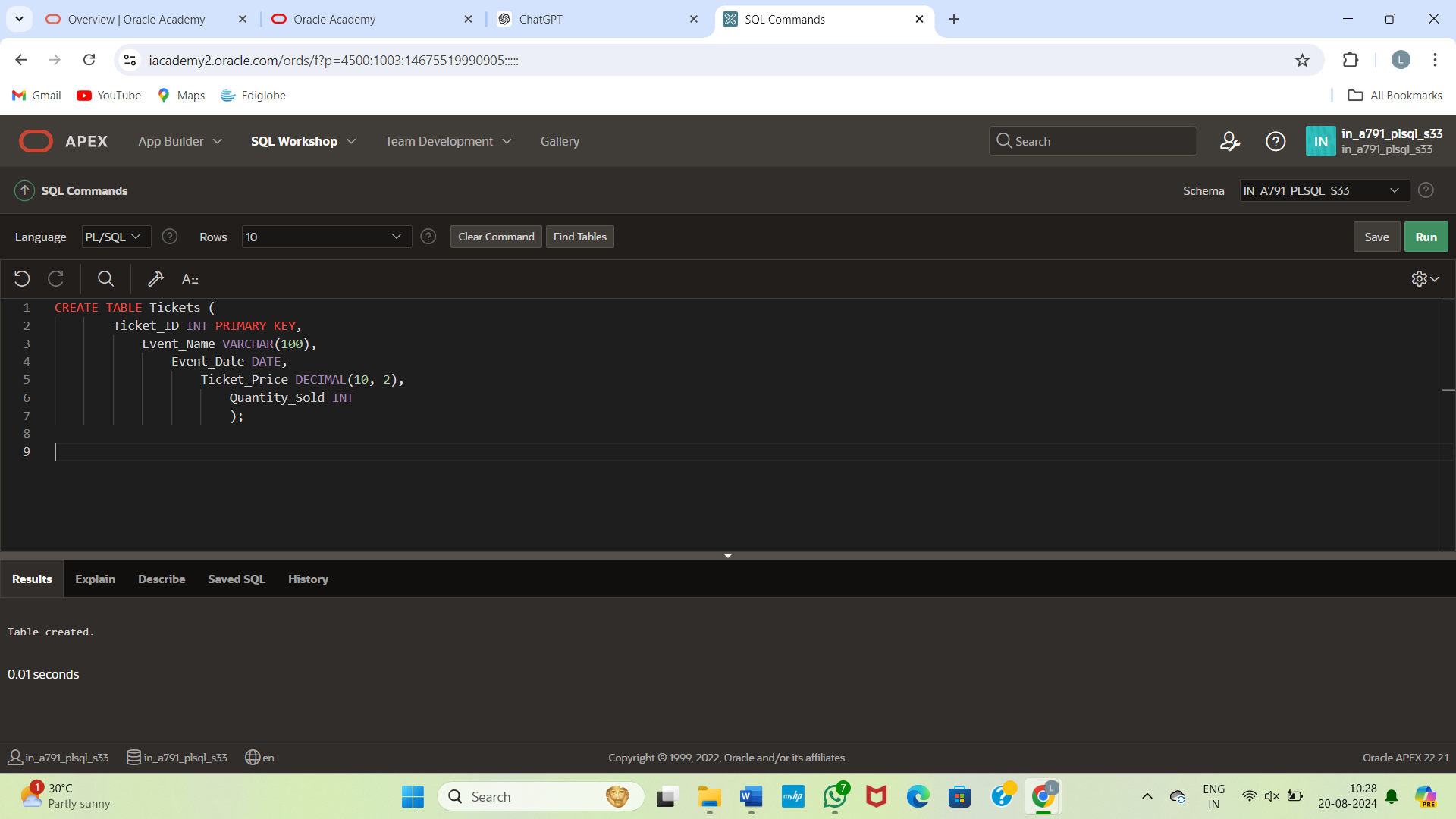
VALUES

(1, 'Concert A', TO\_DATE('2024-08-01', 'YYYY-MM-DD'), 50.00, 200),

(2, 'Concert B', TO\_DATE('2024-08-01', 'YYYY-MM-DD'), 75.00, 150),

(3, 'Concert C', TO\_DATE('2024-08-02', 'YYYY-MM-DD'), 60.00, 100),

(4, 'Theater A', TO\_DATE('2024-08-03', 'YYYY-MM-DD'), 40.00, 250),

(5, 'Theater B', TO\_DATE('2024-08-03', 'YYYY-MM-DD'), 55.00, 300);

CREATE TABLE Expenses (

Expense\_ID INT PRIMARY KEY,

Expense\_Date DATE,

Description VARCHAR(255),

Amount DECIMAL(10, 2)

);

INSERT INTO Expenses (Expense\_ID, Expense\_Date, Description, Amount)

VALUES

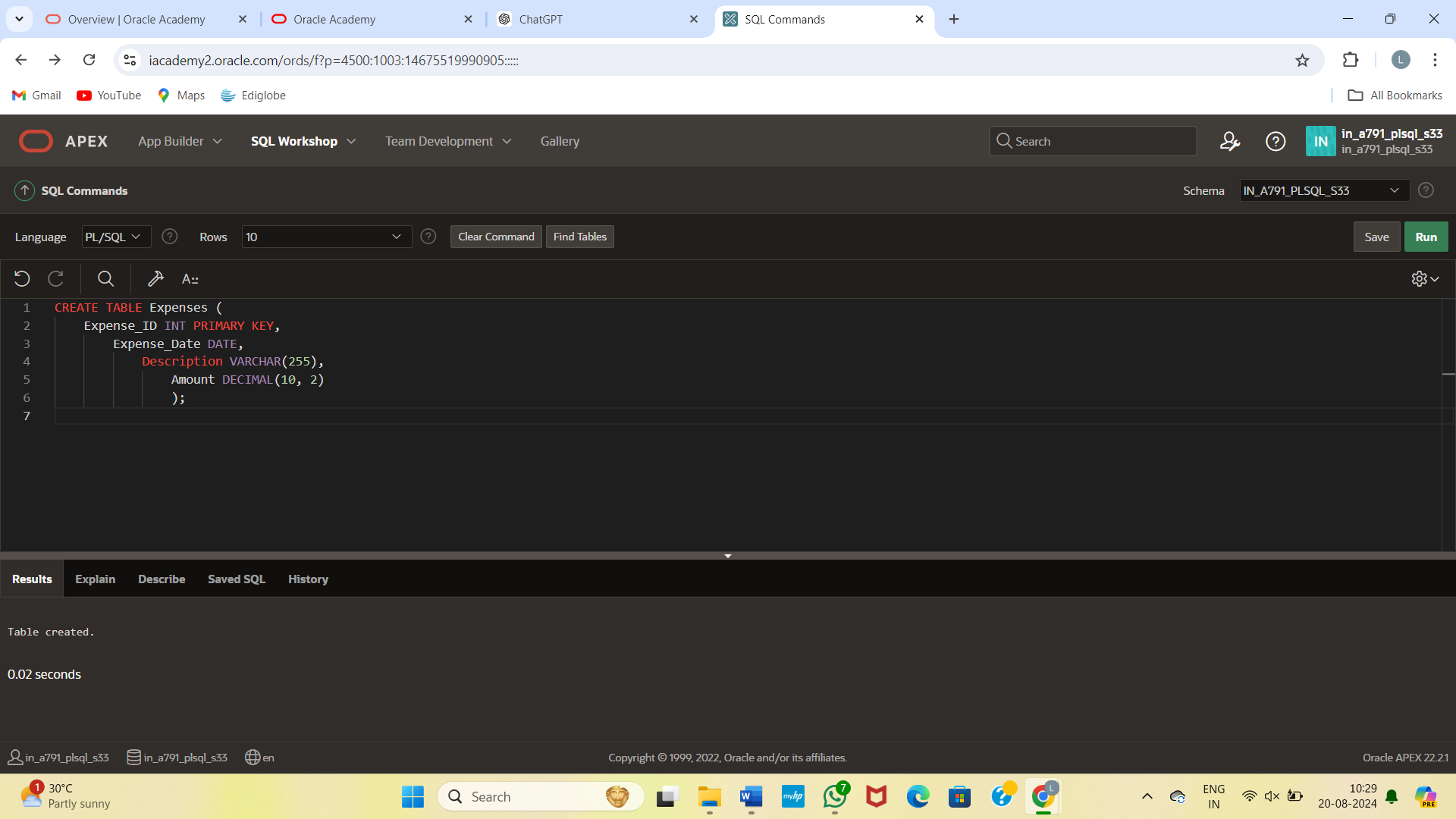
(1, TO\_DATE('2024-08-01', 'YYYY-MM-DD'), 'Venue Rental', 3000.00),

(2, TO\_DATE('2024-08-01', 'YYYY-MM-DD'), 'Advertising', 1500.00),

(3, TO\_DATE('2024-08-02', 'YYYY-MM-DD'), 'Catering', 800.00),

(4, TO\_DATE('2024-08-03', 'YYYY-MM-DD'), 'Sound System Rental', 1200.00),

(5, TO\_DATE('2024-08-03', 'YYYY-MM-DD'), 'Staff Salaries', 2000.00);



CREATE TABLE Profit\_Loss (

Profit\_Loss\_ID INT PRIMARY KEY,

Profit\_Loss\_Date DATE UNIQUE,

Total\_Sales DECIMAL(10, 2),

Total\_Expenses DECIMAL(10, 2),

Profit\_Loss\_Amount DECIMAL(10, 2)

);

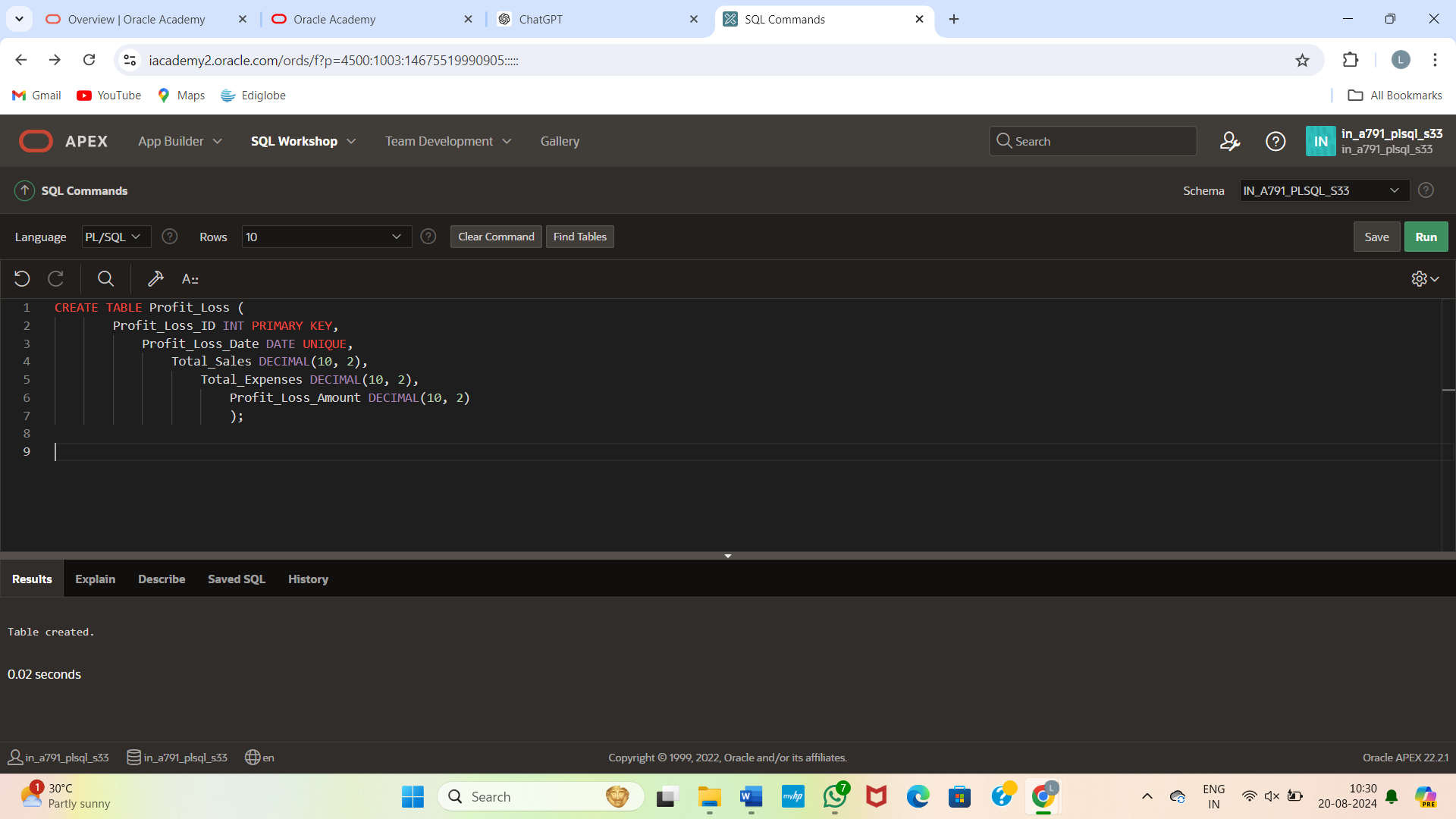
INSERT INTO Profit\_Loss (Profit\_Loss\_ID, Profit\_Loss\_Date, Total\_Sales, Total\_Expenses, Profit\_Loss\_Amount)

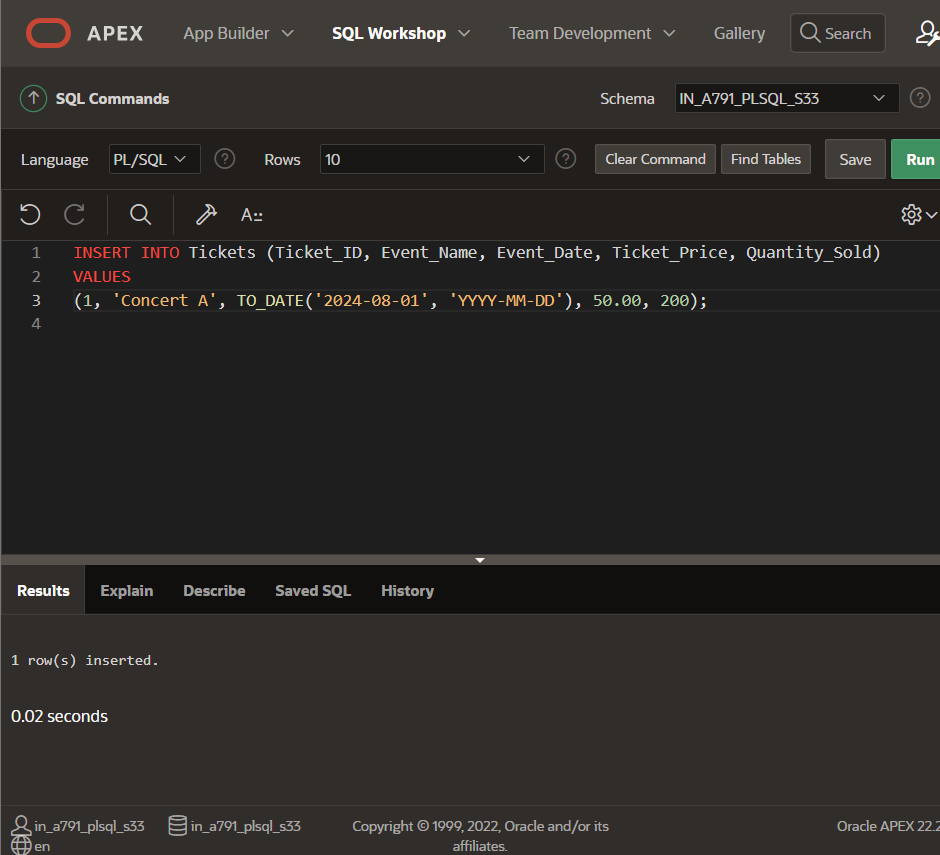
VALUES

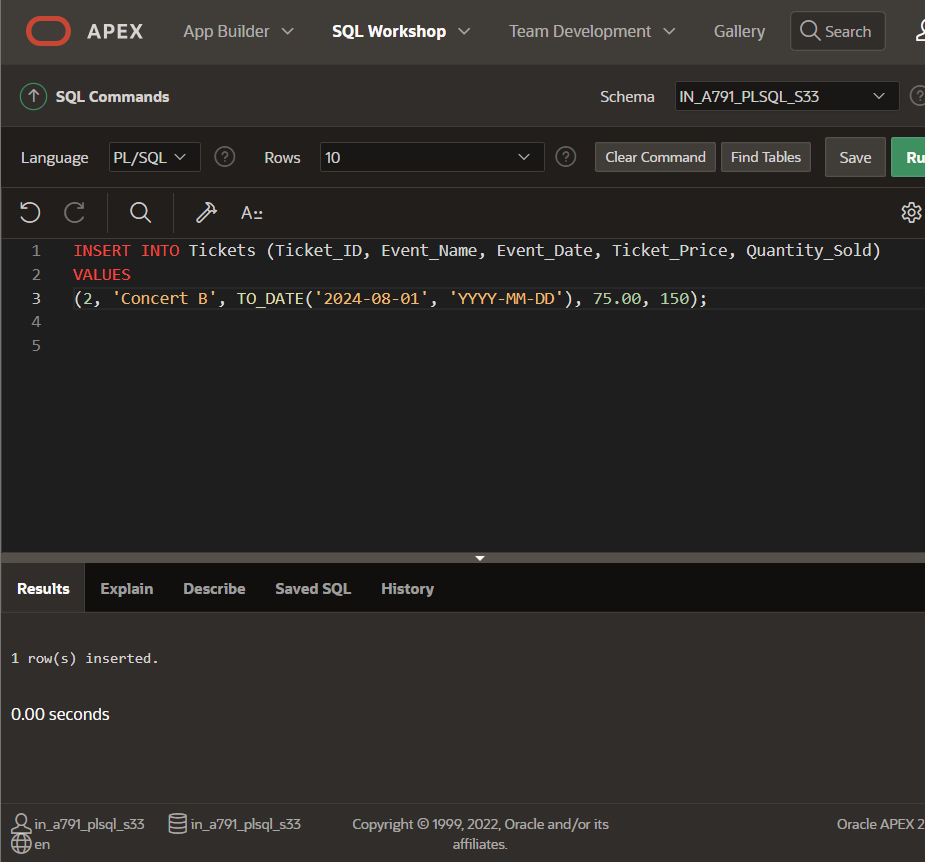
(1, TO\_DATE('2024-08-01', 'YYYY-MM-DD'), 0.00, 0.00, 0.00),

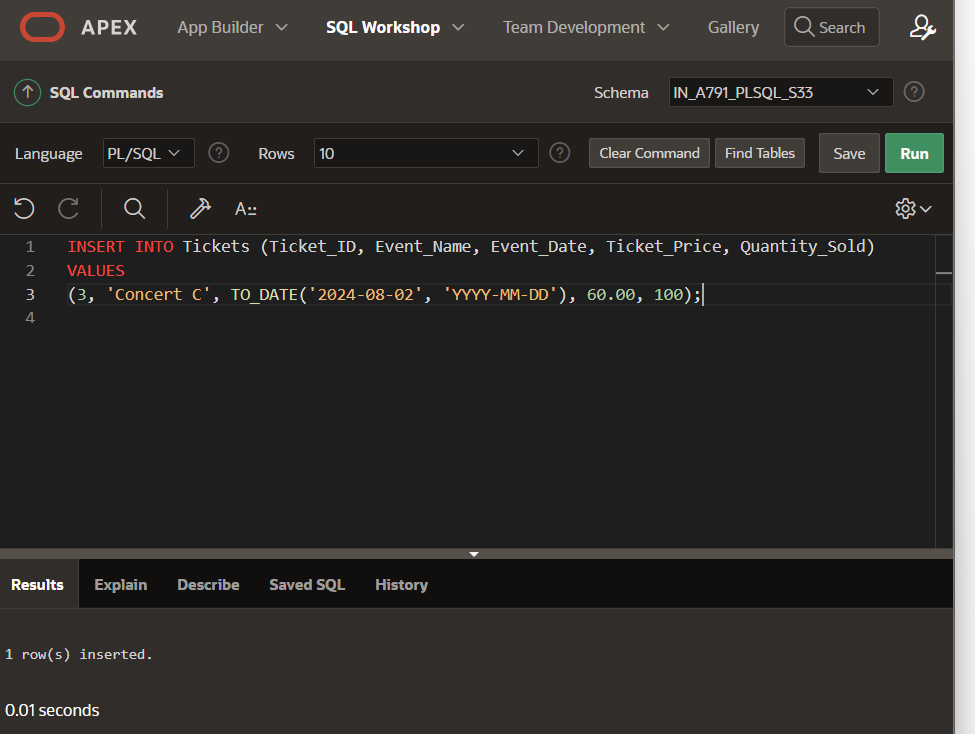
(2, TO\_DATE('2024-08-02', 'YYYY-MM-DD'), 0.00, 0.00, 0.00),

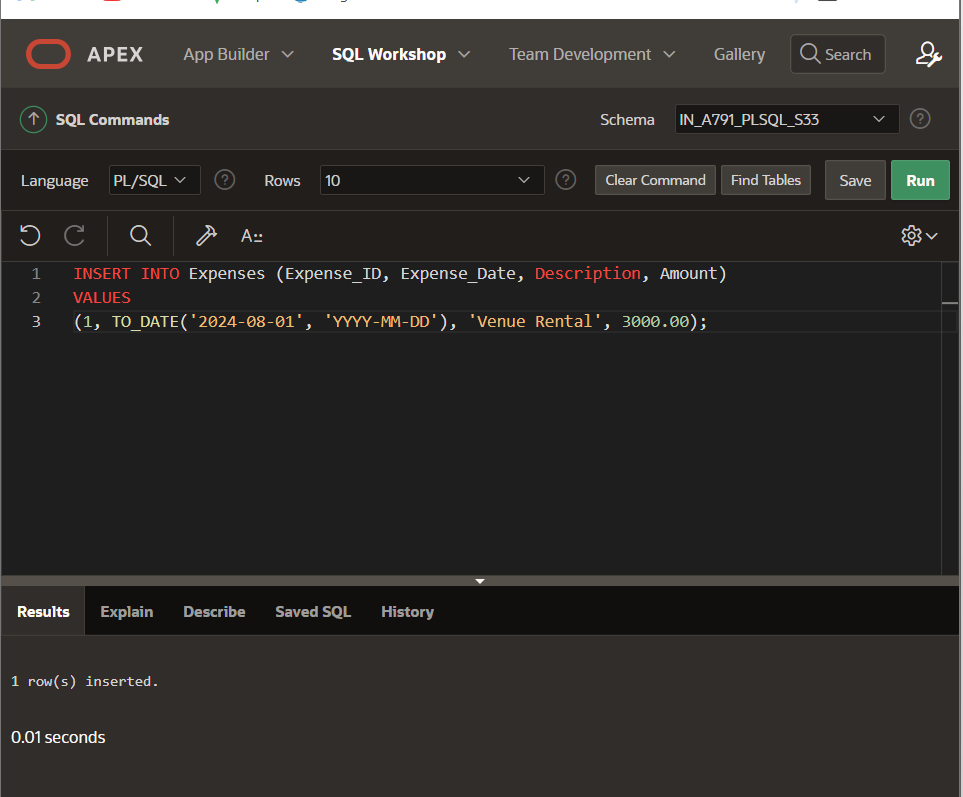
(3, TO\_DATE('2024-08-03', 'YYYY-MM-DD'), 0.00, 0.00, 0.00);

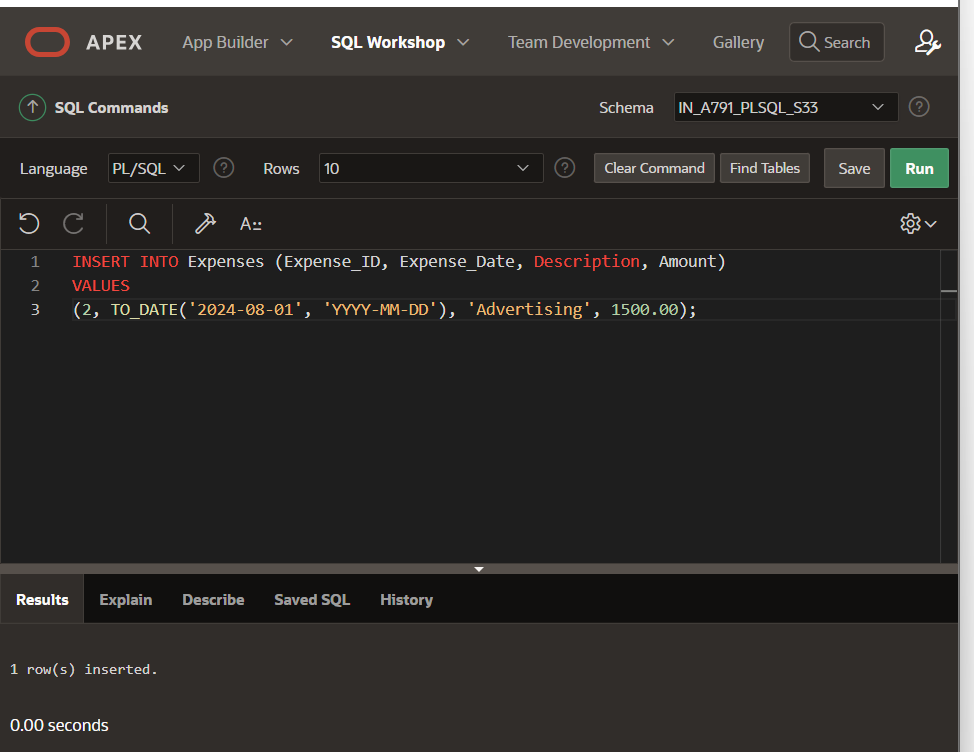


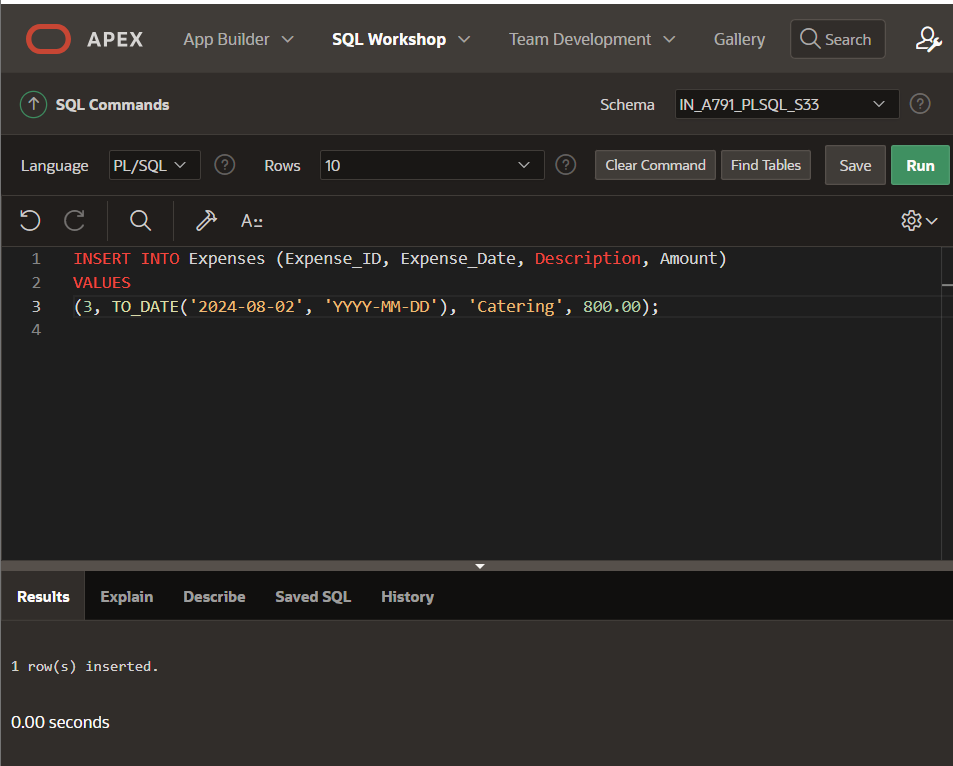


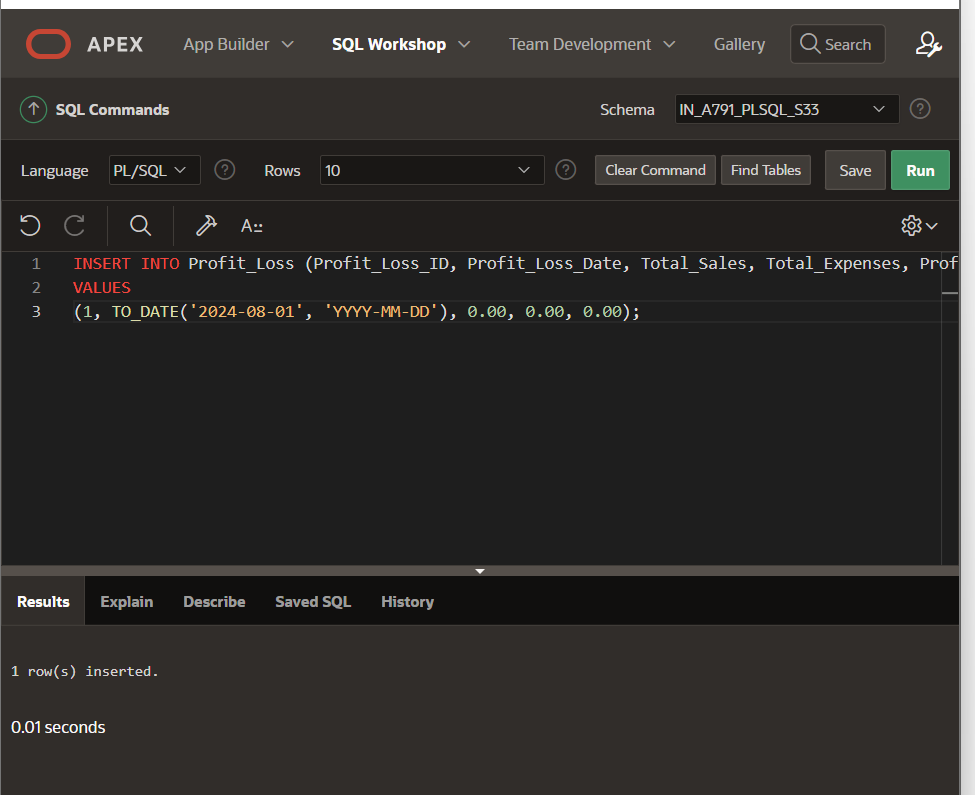


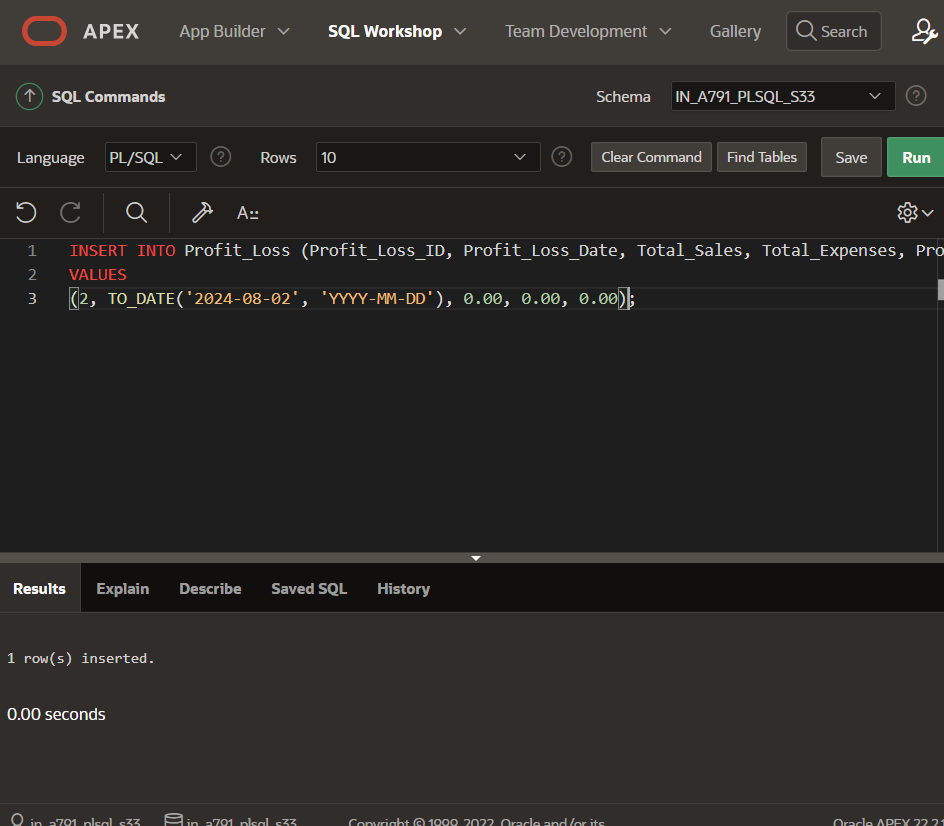


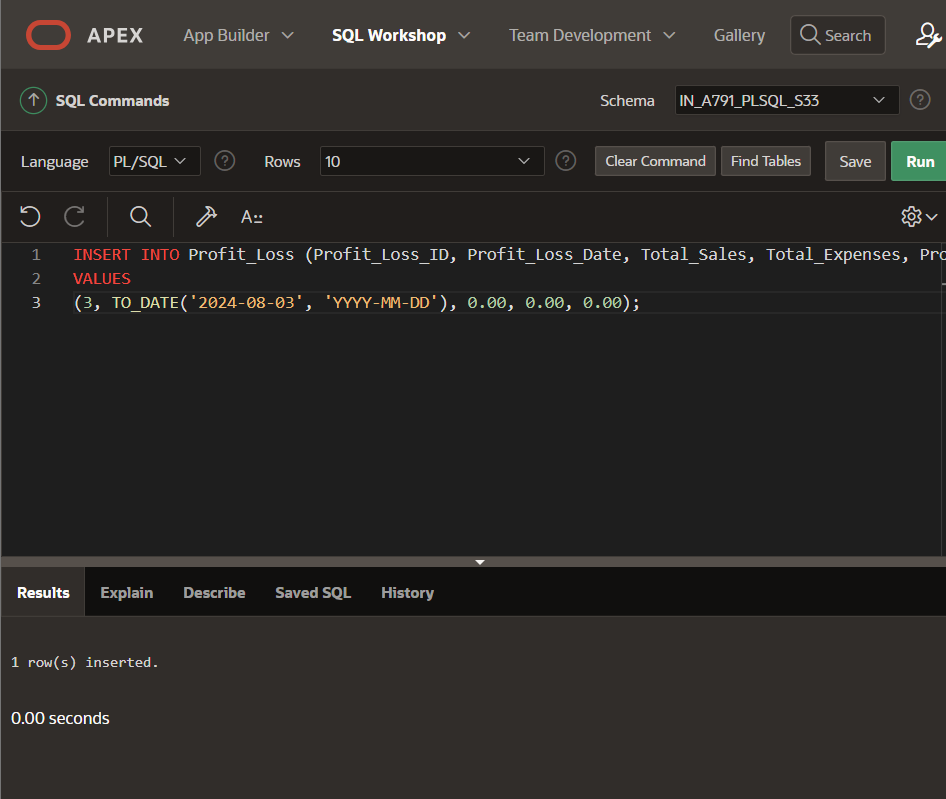


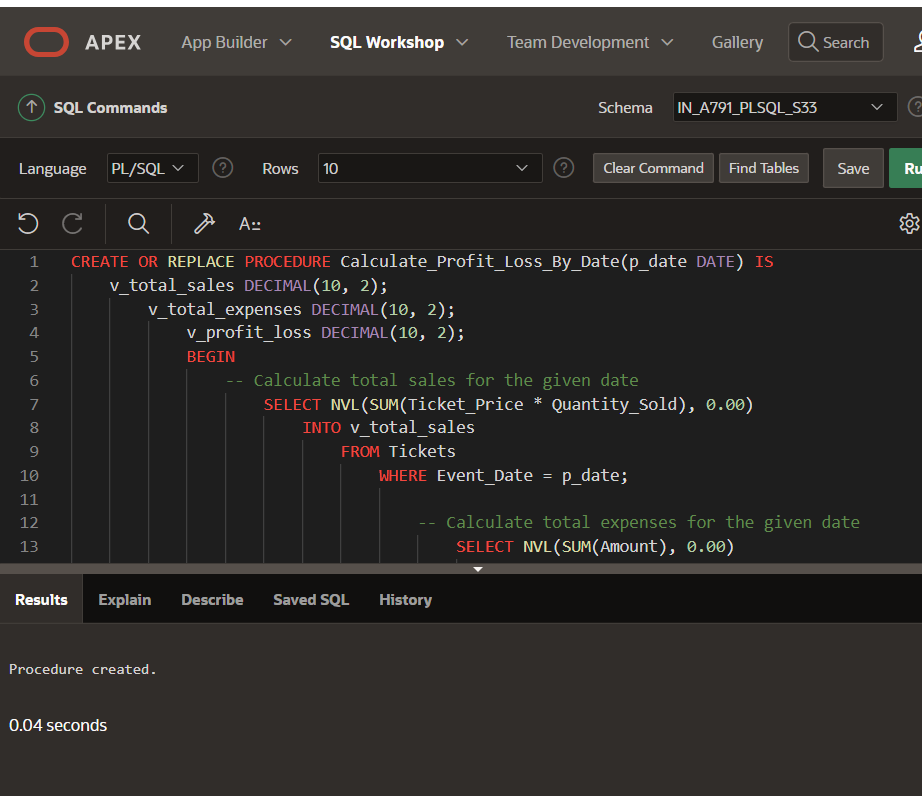












CREATE OR REPLACE PROCEDURE Calculate\_Profit\_Loss\_By\_Date(p\_date DATE) IS

v\_total\_sales DECIMAL(10, 2);

v\_total\_expenses DECIMAL(10, 2);

v\_profit\_loss DECIMAL(10, 2);

BEGIN

-- Calculate total sales for the given date

SELECT SUM(Ticket\_Price \* Quantity\_Sold)

INTO v\_total\_sales

FROM Tickets

WHERE Event\_Date = p\_date;

-- Calculate total expenses for the given date

SELECT SUM(Amount)

INTO v\_total\_expenses

FROM Expenses

WHERE Expense\_Date = p\_date;

-- Calculate profit or loss

v\_profit\_loss := v\_total\_sales - v\_total\_expenses;

-- Insert or update the Profit\_Loss table

MERGE INTO Profit\_Loss pl

USING (SELECT p\_date AS Profit\_Loss\_Date FROM dual) d

ON (pl.Profit\_Loss\_Date = d.Profit\_Loss\_Date)

WHEN MATCHED THEN

UPDATE SET

Total\_Sales = v\_total\_sales,

Total\_Expenses = v\_total\_expenses,

Profit\_Loss\_Amount = v\_profit\_loss

WHEN NOT MATCHED THEN

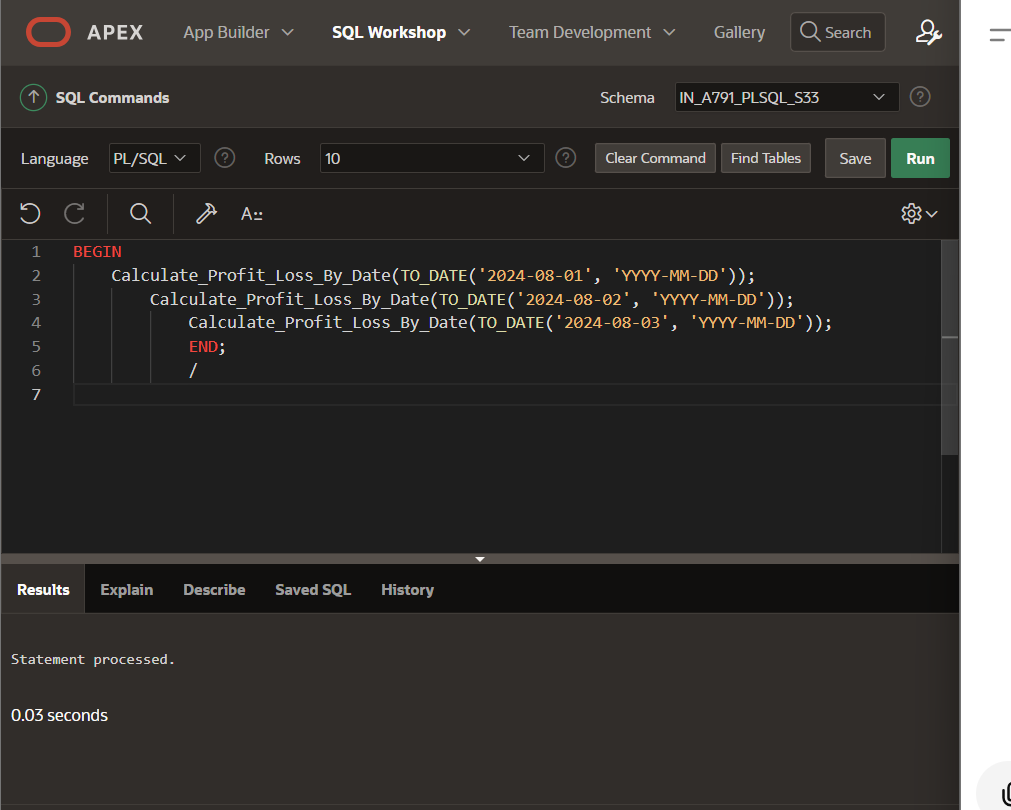
INSERT (Profit\_Loss\_ID, Profit\_Loss\_Date, Total\_Sales, Total\_Expenses, Profit\_Loss\_Amount)

VALUES (Profit\_Loss\_SEQ.NEXTVAL, p\_date, v\_total\_sales, v\_total\_expenses, v\_profit\_loss);

COMMIT;

END;

/



BEGIN

Calculate\_Profit\_Loss\_By\_Date(TO\_DATE('2024-08-01', 'YYYY-MM-DD'));

Calculate\_Profit\_Loss\_By\_Date(TO\_DATE('2024-08-02', 'YYYY-MM-DD'));

Calculate\_Profit\_Loss\_By\_Date(TO\_DATE('2024-08-03', 'YYYY-MM-DD'));

END;

/

