-- Insert into Products

CREATE OR REPLACE PROCEDURE insert\_product(

p\_product\_id INT,

p\_product\_name VARCHAR2

) IS

BEGIN

INSERT INTO Products (Product\_ID, Product\_Name)

VALUES (p\_product\_id, p\_product\_name);

END;

/

-- Insert into Inventory

CREATE OR REPLACE PROCEDURE insert\_inventory(

p\_store\_id INT,

p\_product\_id INT,

p\_stock\_level INT,

p\_stock\_status\_date DATE,

p\_stock\_status VARCHAR2

) IS

BEGIN

INSERT INTO Inventory (Store\_ID, Product\_ID, Stock\_Level, Stock\_Status\_Date, Stock\_Status)

VALUES (p\_store\_id, p\_product\_id, p\_stock\_level, p\_stock\_status\_date, p\_stock\_status);

END;

/

-- Insert into Suppliers

CREATE OR REPLACE PROCEDURE insert\_supplier(

p\_supplier\_id INT,

p\_product\_id INT,

p\_lead\_time INT,

p\_delivery\_history VARCHAR2

) IS

BEGIN

INSERT INTO Suppliers (Supplier\_ID, Product\_ID, Lead\_Time, Delivery\_History)

VALUES (p\_supplier\_id, p\_product\_id, p\_lead\_time, p\_delivery\_history);

END;

/

-- Insert into SalesTransactions

CREATE OR REPLACE PROCEDURE insert\_sales\_transaction(

p\_transaction\_id INT,

p\_product\_id INT,

p\_store\_id INT,

p\_quantity\_sold INT,

p\_sale\_date DATE

) IS

BEGIN

INSERT INTO SalesTransactions (Transaction\_ID, Product\_ID, Store\_ID, Quantity\_Sold, Sale\_Date)

VALUES (p\_transaction\_id, p\_product\_id, p\_store\_id, p\_quantity\_sold, p\_sale\_date);

END;

/

-- Read Products

CREATE OR REPLACE FUNCTION get\_product(

p\_product\_id INT

) RETURN VARCHAR2 IS

v\_product\_name VARCHAR2(50);

BEGIN

SELECT Product\_Name INTO v\_product\_name

FROM Products WHERE Product\_ID = p\_product\_id;

RETURN v\_product\_name;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

RETURN 'No product found';

END;

/

-- Read Inventory

CREATE OR REPLACE FUNCTION get\_inventory(

p\_store\_id INT,

p\_product\_id INT

) RETURN VARCHAR2 IS

v\_stock\_status VARCHAR2(20);

BEGIN

SELECT Stock\_Status INTO v\_stock\_status

FROM Inventory WHERE Store\_ID = p\_store\_id AND Product\_ID = p\_product\_id;

RETURN v\_stock\_status;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

RETURN 'No inventory found';

END;

/

-- Read Suppliers

CREATE OR REPLACE FUNCTION get\_supplier(

p\_supplier\_id INT

) RETURN VARCHAR2 IS

v\_delivery\_history VARCHAR2(125);

BEGIN

SELECT Delivery\_History INTO v\_delivery\_history

FROM Suppliers WHERE Supplier\_ID = p\_supplier\_id;

RETURN v\_delivery\_history;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

RETURN 'No supplier found';

END;

/

-- Read SalesTransactions

CREATE OR REPLACE FUNCTION get\_sales\_transaction(

p\_transaction\_id INT

) RETURN VARCHAR2 IS

v\_sale\_info VARCHAR2(200);

BEGIN

SELECT 'Product ID: ' || Product\_ID || ', Store ID: ' || Store\_ID || ', Quantity Sold: ' || Quantity\_Sold || ', Sale Date: ' || Sale\_Date

INTO v\_sale\_info

FROM SalesTransactions WHERE Transaction\_ID = p\_transaction\_id;

RETURN v\_sale\_info;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

RETURN 'No transaction found';

END;

/

-- Update Products

CREATE OR REPLACE PROCEDURE update\_product(

p\_product\_id INT,

p\_product\_name VARCHAR2

) IS

BEGIN

UPDATE Products

SET Product\_Name = p\_product\_name

WHERE Product\_ID = p\_product\_id;

END;

/

-- Update Inventory

CREATE OR REPLACE PROCEDURE update\_inventory(

p\_store\_id INT,

p\_product\_id INT,

p\_stock\_level INT,

p\_stock\_status VARCHAR2

) IS

BEGIN

UPDATE Inventory

SET Stock\_Level = p\_stock\_level, Stock\_Status = p\_stock\_status

WHERE Store\_ID = p\_store\_id AND Product\_ID = p\_product\_id;

END;

/

-- Update Suppliers

CREATE OR REPLACE PROCEDURE update\_supplier(

p\_supplier\_id INT,

p\_lead\_time INT,

p\_delivery\_history VARCHAR2

) IS

BEGIN

UPDATE Suppliers

SET Lead\_Time = p\_lead\_time, Delivery\_History = p\_delivery\_history

WHERE Supplier\_ID = p\_supplier\_id;

END;

/

-- Update SalesTransactions

CREATE OR REPLACE PROCEDURE update\_sales\_transaction(

p\_transaction\_id INT,

p\_quantity\_sold INT,

p\_sale\_date DATE

) IS

BEGIN

UPDATE SalesTransactions

SET Quantity\_Sold = p\_quantity\_sold, Sale\_Date = p\_sale\_date

WHERE Transaction\_ID = p\_transaction\_id;

END;

/

-- Delete from Products

CREATE OR REPLACE PROCEDURE delete\_product(

p\_product\_id INT

) IS

BEGIN

DELETE FROM Products WHERE Product\_ID = p\_product\_id;

END;

/

-- Delete from Inventory

CREATE OR REPLACE PROCEDURE delete\_inventory(

p\_store\_id INT,

p\_product\_id INT

) IS

BEGIN

DELETE FROM Inventory WHERE Store\_ID = p\_store\_id AND Product\_ID = p\_product\_id;

END;

/

-- Delete from Suppliers

CREATE OR REPLACE PROCEDURE delete\_supplier(

p\_supplier\_id INT

) IS

BEGIN

DELETE FROM Suppliers WHERE Supplier\_ID = p\_supplier\_id;

END;

/

-- Delete from SalesTransactions

CREATE OR REPLACE PROCEDURE delete\_sales\_transaction(

p\_transaction\_id INT

) IS

BEGIN

DELETE FROM SalesTransactions WHERE Transaction\_ID = p\_transaction\_id;

END;

/