Project

Database Systems

CS-241

Fall – 2021(4th)

Submitted To

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Submitted By

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Roll Number

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Section

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Due Date

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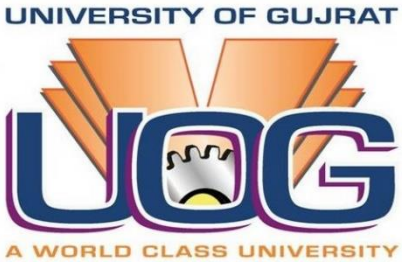

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Contents

Introduction

Title: Bakery Management System:

The Bakery Management System is a comprehensive software solution designed to streamline and automate various aspects of managing a bakery business. This system aims to improve efficiency, reduce manual efforts, and enhance the overall productivity of the bakery operations. The project comprises a relational database that stores data related to customers, products, orders, employees, suppliers, purchases, sales, and order items.

Key Components of the Bakery Management System:

Customers Table: This table stores information about the bakery's customers, including their unique customer ID, first name, second name, email, phone number, and address.

Products Table: The products table contains details about the bakery's offerings, such as product ID, product name, category, price, and quantity in stock.

Orders Table: The orders table records the customer's order information, including the order ID, customer ID (foreign key referencing the customers table), order date, and total amount.

Order Items Table: This table stores individual items of each order, linking them to the respective order and product. It includes attributes like order item ID, order ID (foreign key referencing the orders table), product ID (foreign key referencing the products table), quantity, and item amount.

Employees Table: The employees table contains information about bakery staff, including their employee ID, name, position, hire date, and salary.

Suppliers Table: Suppliers' details, like supplier ID, name, contact name, phone number, and email, are stored in this table.

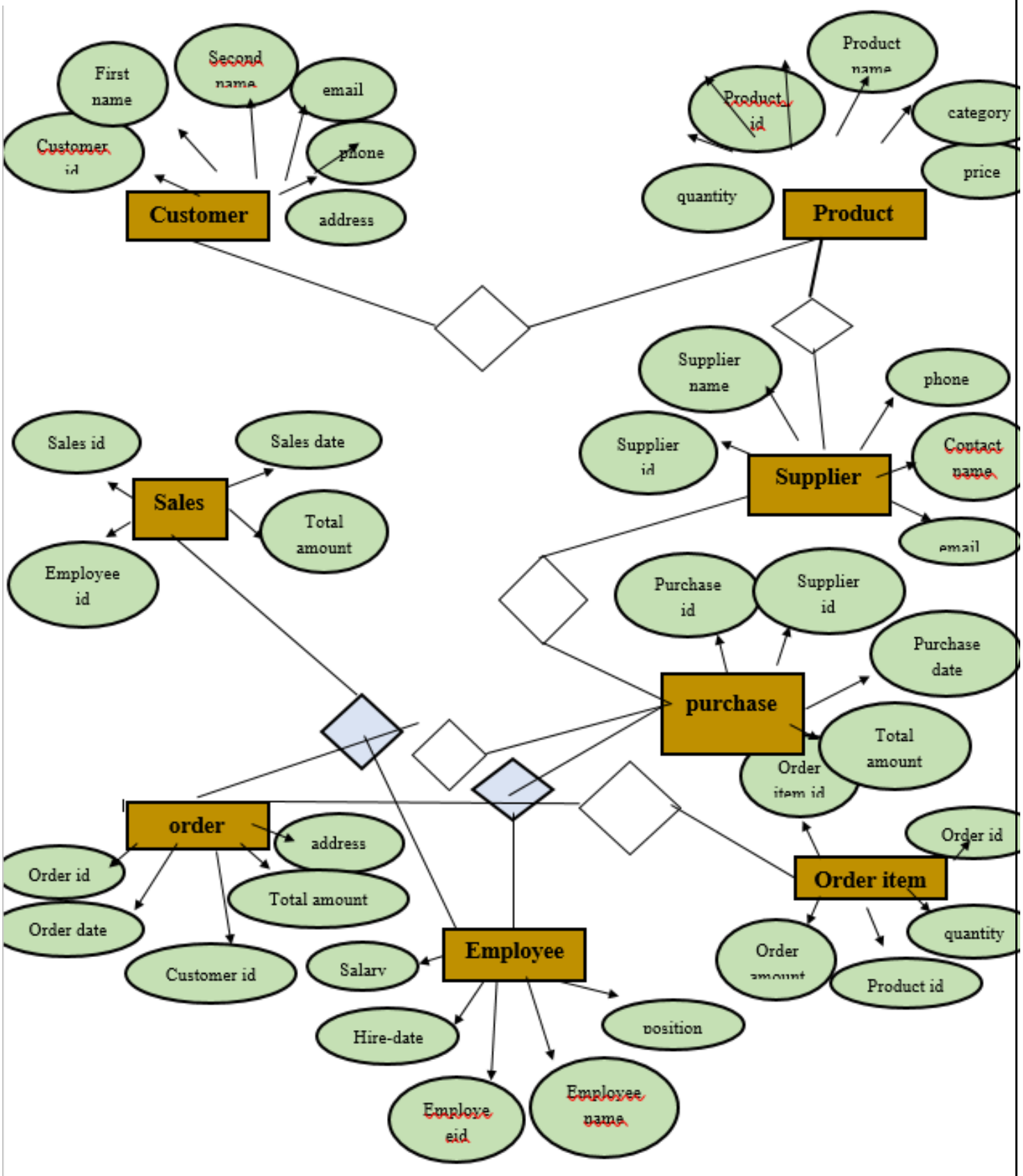
Purchase Table: The purchase table tracks purchases made from suppliers, including purchase ID, supplier ID (foreign key referencing the suppliers table), purchase date, and total amount.

Sales Table: The sales table records details about bakery sales, such as sale ID, employee ID (foreign key referencing the employees table), sale date, and total amount.

In addition to the database structure, the project includes stored procedures that allow users to insert data into the respective tables efficiently. These stored procedures provide a simple interface to add new entries to the database, ensuring data integrity and consistency.

Overall, the Bakery Management System aims to facilitate smooth operations within the bakery by managing customer information, product inventory, orders, sales, and employee data in an organized and structured manner. The system enables bakery owners and managers to make informed decisions, track sales, manage inventory efficiently, and provide better customer service.

ER Diagram:


First name
Second name
email
Customer id
phone
Customer
address
Product name
Product id
category
price
quantity
Product
Supplier name
phone
Supplier id
Supplier
Contact name
email
Sales id
Sales date
Sales
Total amount
Employee id
Purchase id
Supplier id
Purchase date
purchase
Total amount
Order item id
order
address
Order id
Total amount
Order date
Customer id
Salary
Employee
Order id
Order item
quantity
Order amount
Product id
Hire-date
position
Employe eid
Employee name

Creating Database:

```
CREATE DATABASE BAKERY_MANAGEMENT_SYSTEM;
```

Creating Tables:

```
------Customers Table
CREATE TABLE Customers (
    customer_id INT PRIMARY KEY,
    first_name VARCHAR(50) NOT NULL,
       second_name VARCHAR(50),
    email VARCHAR(100),
    phone VARCHAR(20),
       address VARCHAR(50)
);


------Products Table
CREATE TABLE Products (
    product_id INT PRIMARY KEY,
    product_name VARCHAR(100),
    category VARCHAR(50),
    price DECIMAL(10, 2),
    quantity_in_stock INT
);


-----Order Table
CREATE TABLE Orders (
    order_id INT PRIMARY KEY,
    customer_id INT,
    order_date DATE NOT NULL,
    total_amount DECIMAL(10, 2) NOT NULL,
    FOREIGN KEY (customer_id) REFERENCES Customers(customer_id)
);


--------Order Items Table
CREATE TABLE Order_Items (
    order_item_id INT PRIMARY KEY,
    order_id INT,
    product_id INT,
    quantity INT NOT NULL,
    item_amount DECIMAL(10, 2) NOT NULL,
    FOREIGN KEY (order_id) REFERENCES Orders(order_id),
    FOREIGN KEY (product_id) REFERENCES Products(product_id)
);

----------Employees Table
CREATE TABLE Employees (
    employee_id INT PRIMARY KEY,
    employee_name VARCHAR(50) NOT NULL,
    position VARCHAR(50) NOT NULL,
    hire_date DATE NOT NULL,
    salary DECIMAL(10, 2) NOT NULL
);


---------Suppliers Table
```

```
CREATE TABLE Suppliers (
    supplier_id INT PRIMARY KEY,
    supplier_name VARCHAR(100) NOT NULL,
    contact_name VARCHAR(50),
    phone VARCHAR(20),
    email VARCHAR(100)
);

----------Purchase Table
CREATE TABLE Purchase (
    purchase_id INT PRIMARY KEY,
    supplier_id INT,
    purchase_date DATE NOT NULL,
    total_amount DECIMAL(10, 2) NOT NULL,
    FOREIGN KEY (supplier_id) REFERENCES Suppliers(supplier_id)
);

---------Sales Table
CREATE TABLE Sales (
    sale_id INT PRIMARY KEY,
    employee_id INT,
    sale_date DATE,
    total_amount DECIMAL(10, 2),
    FOREIGN KEY (employee_id) REFERENCES Employees(employee_id)
);
```

Inserting Values into Tables

```
------------------Insertion in Customer Table
CREATE PROCEDURE InsertCustomer
   @customer_id INT,
   @first_name VARCHAR(50),
   @second_name VARCHAR(50),
   @email VARCHAR(100),
   @phone VARCHAR(20),
   @address VARCHAR(50)
AS
BEGIN
   INSERT INTO Customers (customer_id, first_name, second_name, email, phone, address)
   VALUES (@customer_id, @first_name, @second_name, @email, @phone, @address);
END;


-------Insert Data Into Customer Table-----------------------------------
-------------------------------------------------------------------------
EXEC InsertCustomer 1,'Aqeel','Arshad','aqeelarshad.com','+923456467890','Gujrawala, Fawara Chowk';
EXEC InsertCustomer 2,'Ahsan','Ayaz','ahsanayaz.com','+923455589480','Kharian';
EXEC InsertCustomer 3,'Qasim','Ali','qasimali.com','+923454334689','Daska';
EXEC InsertCustomer 4,'Usama','Akhtar','usamaakhtar.com','+923456567890','Jalalpur Jata';
EXEC InsertCustomer 5,'Kamran','Ali','kamranali.com','+923433356789','Gujrawala';
EXEC InsertCustomer 6,'Shahan','Ghani','shahanghani.com','+923002345678','Gujrawala';
EXEC InsertCustomer 7,'Zain','Ali','zainali.com','+923001221123','Gujrat';
```

```
EXEC InsertCustomer 8,'Nauman','Ali','noumanali.com','+923433443234','Gujrat';
EXEC InsertCustomer 9,'Amjad','Shah','amjadshah.com','+923023445676','Quetta';
EXEC InsertCustomer 10,'Zain','Iqbak','zainiqbal.com','+923002132222','Sailkot';

-------------------------------------------------------------------------------------------------------------------



---------Insert Data Into Product Table----------------------

CREATE PROCEDURE InsertProduct
   @product_id INT,
   @product_name VARCHAR(100),
   @category VARCHAR(50),
   @price DECIMAL(10, 2),
   @quantity_in_stock INT
AS
BEGIN
   INSERT INTO Products (product_id, product_name, category, price, quantity_in_stock)
   VALUES (@product_id, @product_name, @category, @price, @quantity_in_stock);
END;

-------------------------------------------------------------------------------
-- Assuming you have already created the "InsertProduct" procedure
-- Call the procedure for each bakery product
-------------------------------------------------------------------------------
EXEC InsertProduct 1, 'Croissant', 'Pastries', 2.50, 50;
EXEC InsertProduct 2, 'Baguette', 'Bread', 1.75, 100;
EXEC InsertProduct 3, 'Blueberry Muffin', 'Muffins', 1.95, 30;
EXEC InsertProduct 4, 'Cinnamon Roll', 'Pastries', 2.25, 40;
EXEC InsertProduct 5, 'Sourdough Bread', 'Bread', 3.00, 60;
EXEC InsertProduct 6, 'Chocolate Chip Cookie', 'Cookies', 1.50, 80;
EXEC InsertProduct 7, 'Red Velvet Cupcake', 'Cupcakes', 2.00, 20;
EXEC InsertProduct 8, 'Apple Pie', 'Pies', 4.50, 15;
EXEC InsertProduct 9, 'Pretzel', 'Snacks', 1.25, 70;
EXEC InsertProduct 10, 'Cheesecake', 'Cakes', 5.50, 10;



-------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------
----------Insert Data into Orders Table-----------------------------------------

CREATE PROCEDURE InsertOrder
   @order_id INT,
   @customer_id INT,
   @order_date DATE,
   @total_amount DECIMAL(10, 2)
AS
BEGIN
   INSERT INTO Orders (order_id, customer_id, order_date, total_amount)
```

```
    VALUES (@order_id, @customer_id, @order_date, @total_amount);
END;

-------------------------------------------------------------
EXEC InsertOrder 1, 1, '2023-07-01', 50.00;
EXEC InsertOrder 2, 2, '2023-07-02', 30.00;
EXEC InsertOrder 3, 3, '2023-07-03', 25.00;
EXEC InsertOrder 4, 4, '2023-07-04', 40.00;
EXEC InsertOrder 5, 5, '2023-07-05', 15.00;
EXEC InsertOrder 6, 6, '2023-07-06', 55.00;
EXEC InsertOrder 7, 7, '2023-07-07', 20.00;
EXEC InsertOrder 8, 8, '2023-07-08', 35.00;
EXEC InsertOrder 9, 9, '2023-07-09', 10.00;
EXEC InsertOrder 10, 10, '2023-07-10', 60.00;



-----------------------------------------------------------------------------------------------------------------------


-------------Insert Data into Employee Table
---------------------------------------------
CREATE PROCEDURE InsertEmployee
    @employee_id INT,
    @employee_name VARCHAR(50),
    @position VARCHAR(50),
    @hire_date DATE,
    @salary DECIMAL(10, 2)
AS
BEGIN
    INSERT INTO Employees (employee_id, employee_name, position, hire_date, salary)
    VALUES (@employee_id, @employee_name, @position, @hire_date, @salary);
END;

------------------------
-- Insert 10 employees using the stored procedure
EXEC InsertEmployee 101, 'John Doe', 'Baker', '2023-01-15', 2500.00;
EXEC InsertEmployee 102, 'Jane Smith', 'Cashier', '2023-02-20', 2000.00;
EXEC InsertEmployee 103, 'Michael Johnson', 'Manager', '2023-03-10', 4000.00;
EXEC InsertEmployee 104, 'Emily Adams', 'Baker', '2023-04-05', 2300.00;
EXEC InsertEmployee 105, 'Robert Williams', 'Assistant', '2023-05-01', 1800.00;
EXEC InsertEmployee 106, 'Sarah Brown', 'Cashier', '2023-06-15', 2100.00;
EXEC InsertEmployee 107, 'David Lee', 'Baker', '2023-07-20', 2400.00;
EXEC InsertEmployee 108, 'Karen Davis', 'Manager', '2023-08-10', 4500.00;
EXEC InsertEmployee 109, 'James Wilson', 'Cashier', '2023-09-05', 1900.00;
EXEC InsertEmployee 110, 'Linda Johnson', 'Assistant', '2023-10-01', 2000.00;



-----------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------
------------------iNSERT Employee Data IN TABLE----------------
```

```
CREATE PROCEDURE InsertSupplier
   @supplier_id INT,
   @supplier_name VARCHAR(100),
   @contact_name VARCHAR(50),
   @phone VARCHAR(20),
   @email VARCHAR(100)
AS
BEGIN
   INSERT INTO Suppliers (supplier_id, supplier_name, contact_name, phone, email)
   VALUES (@supplier_id, @supplier_name, @contact_name, @phone, @email);
END;

--------------------------------------------------------------------------------
EXEC InsertSupplier 1, 'ABC Bakery Supplies', 'John Doe', '123-456-7890', 'john@example.com';
EXEC InsertSupplier 2, 'XYZ Baking Goods', 'Jane Smith', '987-654-3210', 'jane@example.com';
EXEC InsertSupplier 3, 'Best Flour Co.', 'Mike Johnson', '111-222-3333', 'mike@example.com';
EXEC InsertSupplier 4, 'Fresh Dairy Inc.', 'Emily Adams', '444-555-6666', 'emily@example.com';
EXEC InsertSupplier 5, 'Sug-ar Sweeteners', 'David Lee', '777-888-9999', 'david@example.com';
EXEC InsertSupplier 6, 'Frosting Delights', 'Sarah Brown', '222-333-4444', 'sarah@example.com';
EXEC InsertSupplier 7, 'Quality Ingredients', 'Robert Smith', '555-666-7777', 'robert@example.com';
EXEC InsertSupplier 8, 'Bakery Tools Ltd.', 'Lisa Anderson', '888-999-0000', 'lisa@example.com';
EXEC InsertSupplier 9, 'Taste Enhancers Inc.', 'William White', '333-444-5555', 'william@example.com';
EXEC InsertSupplier 10, 'Oven Manufacturers', 'Karen Johnson', '666-777-8888', 'karen@example.com';

-----------------------------------------------------------------------------------------------------------------
------------------Insert Data into Purchase Table-----------------------------------
CREATE PROCEDURE InsertPurchase
   @purchase_id INT,
   @supplier_id INT,
   @purchase_date DATE,
   @total_amount DECIMAL(10, 2)
AS
BEGIN
   INSERT INTO Purchase (purchase_id, supplier_id, purchase_date, total_amount)
   VALUES (@purchase_id, @supplier_id, @purchase_date, @total_amount);
END;
-------------------------------
EXEC InsertPurchase 1, 1, '2023-07-15', 500.00;
EXEC InsertPurchase 2, 2, '2023-07-16', 750.00;
EXEC InsertPurchase 3, 3, '2023-07-17', 300.00;
EXEC InsertPurchase 4, 4, '2023-07-18', 900.00;
EXEC InsertPurchase 5, 5, '2023-07-19', 400.00;
EXEC InsertPurchase 6, 6, '2023-07-20', 600.00;
EXEC InsertPurchase 7, 7, '2023-07-21', 250.00;
EXEC InsertPurchase 8, 8, '2023-07-22', 350.00;
EXEC InsertPurchase 9, 9, '2023-07-23', 180.00;
EXEC InsertPurchase 10, 10, '2023-07-24', 800.00;
--------------------------------------------------------------------------------
```

```
----------Insert Data into Sales Table----------
CREATE PROCEDURE InsertSales
   @sale_id INT,
   @employee_id INT,
   @sale_date DATE,
   @total_amount DECIMAL(10, 2)
AS
BEGIN
   INSERT INTO Sales (sale_id, employee_id, sale_date, total_amount)
   VALUES (@sale_id, @employee_id, @sale_date, @total_amount);
END;

----------------------------------------
-- Assuming you have the necessary supplier information for the Sales records
EXEC InsertSales 1, 101, '2023-07-01', 120.00;
EXEC InsertSales 2, 102, '2023-07-02', 80.00;
EXEC InsertSales 3, 103, '2023-07-03', 200.00;
EXEC InsertSales 4, 104, '2023-07-04', 150.00;
EXEC InsertSales 5, 105, '2023-07-05', 100.00;
EXEC InsertSales 6, 106, '2023-07-06', 50.00;
EXEC InsertSales 7, 107, '2023-07-07', 180.00;
EXEC InsertSales 8, 108, '2023-07-08', 90.00;
EXEC InsertSales 9, 109, '2023-07-09', 110.00;
EXEC InsertSales 10, 110, '2023-07-10', 70.00;



-----------------------------------------------
-------Insertion o Order Items----------------------
CREATE PROCEDURE InsertOrderItem
(
   @order_item_id INT,
   @order_id INT,
   @product_id INT,
   @quantity INT,
   @item_amount DECIMAL(10, 2)
)
AS
BEGIN
   INSERT INTO Order_Items (order_item_id, order_id, product_id, quantity, item_amount)
   VALUES (@order_item_id, @order_id, @product_id, @quantity, @item_amount);
END;
``
--------------------------------------
-- Sample order items for order 1
EXEC InsertOrderItem 1, 1, 1, 3, 7.50;
EXEC InsertOrderItem 2, 1, 2, 2, 3.50;
EXEC InsertOrderItem 3, 1, 4, 1, 2.25;

-- Sample order items for order 2
```

```
EXEC InsertOrderItem 4, 2, 2, 1, 1.75;
EXEC InsertOrderItem 5, 2, 3, 2, 3.90;

-- Sample order items for order 3
EXEC InsertOrderItem 6, 3, 1, 1, 2.50;

-- Sample order items for order 4
EXEC InsertOrderItem 7, 4, 5, 3, 9.00;

-- Sample order items for order 5
EXEC InsertOrderItem 8, 5, 7, 2, 4.00;

-- Sample order items for order 6
EXEC InsertOrderItem 9, 6, 6, 4, 6.00;
EXEC InsertOrderItem 10, 6, 8, 1, 4.50;

-- Sample order items for order 7
EXEC InsertOrderItem 11, 7, 9, 2, 2.50;
EXEC InsertOrderItem 12, 7, 3, 1, 1.95;
-------------------------------------------------------------------------------------------------
```

Procedures:

```
------------------------------------------------------------
------------------------------------------------------------
------------------------------------------------------------
------------------------------------------------------------
-------------------------Procedures-------------------------
------------------------------------------------------------
------------------------------------------------------------
------------------------------------------------------------
------------------------------------------------------------

CREATE PROCEDURE Show_Customers_Data
AS
BEGIN
    SELECT *FROM Customers
END;
------------------------------------------------------------
CREATE PROCEDURE Show_Employees_Data
AS
BEGIN
    SELECT *FROM Employees
END;
------------------------------------------------------------
CREATE PROCEDURE Show_Order_Items_Data
AS
BEGIN
    SELECT *FROM Order_Items
END;
------------------------------------------------------------
CREATE PROCEDURE Show_Orders_Data
AS
```

```
BEGIN
    SELECT *FROM Orders
END;
-------------------------------------------------------------
CREATE PROCEDURE Show_Products_Data
AS
BEGIN
    SELECT *FROM Products
END;
-------------------------------------------------------------
CREATE PROCEDURE Show_Purchase_Data
AS
BEGIN
    SELECT *FROM Purchase
END;
-------------------------------------------------------------
CREATE PROCEDURE Show_Sales_Data
AS
BEGIN
    SELECT *FROM Sales
END;
-------------------------------------------------------------
CREATE PROCEDURE Show_Suppliers_Data
AS
BEGIN
    SELECT *FROM Suppliers
END;
-------------------------------------------------------------
CREATE PROCEDURE Show_Total_Amount_of_each_Order
AS
BEGIN
SELECT order_id, SUM(item_amount) AS total_amount
FROM Order_Items
GROUP BY order_id;
END;
-------------------------------------------------------------
CREATE PROCEDURE Total_Sale_of_each_employee
AS
BEGIN
SELECT employee_id, MAX(max_amount) AS total_sales_amount
FROM Sales
GROUP BY employee_id;
END;
-------------------------------------------------------------
CREATE PROCEDURE MaxSaleEmployee
AS
BEGIN
SELECT TOP 1 employee_id, SUM(total_amount) AS total_sales_amount
FROM Sales
GROUP BY employee_id
ORDER BY total_sales_amount DESC
END;
-------------------------------------------------------------
CREATE PROCEDURE Customers_and_OrdersData
AS
BEGIN
SELECT c.customer_id, c.first_name, c.email, o.order_id, o.order_date, o.total_amount
FROM Customers c
JOIN Orders o ON c.customer_id = o.customer_id;
```

```
END;
-----------------------------------------------------------------
CREATE PROCEDURE Order_items_Orders_ProductsData
AS
BEGIN
SELECT oi.order_item_id, o.order_id, p.product_name, oi.quantity, oi.item_amount
FROM Order_Items oi
JOIN Orders o ON oi.order_id = o.order_id
JOIN Products p ON oi.product_id = p.product_id;
END;
-----------------------------------------------------------------------
CREATE PROCEDURE Order_Product_Details
AS
BEGIN
SELECT o.order_id, p.product_name, oi.quantity, oi.item_amount
FROM Orders o
JOIN Order_Items oi ON o.order_id = oi.order_id
JOIN Products p ON oi.product_id = p.product_id;
END;
-----------------------------------------------------------------------------
CREATE PROCEDURE Employee__SaleDetails
AS
BEGIN
SELECT e.employee_name, e.position, s.sale_id, s.sale_date, s.total_amount
FROM Employees e
JOIN Sales s ON e.employee_id = s.employee_id;
END;
-------------------------------------------------------------------------------
```

Result:

```
EXEC Show_Customers_Data;
```

customer_id	first_name	second_name	email	phone	address
1	Aqeel	Arshad	aqeelarshad.com	+923456467890	Gujrawala, Fawara Chowk
2	Ahsan	Ayaz	ahsanayaz.com	+923455589480	Kharian
3	Qasim	Ali	qasimali.com	+923454334689	Daska
4	Usama	Akhtar	usamaakhtar.com	+923456567890	Jalalpur Jata
5	Kamran	Ali	kamranali.com	+923433356789	Gujrawala
6	Shahan	Ghani	shahanghani.com	+923002345678	Gujrawala
7	Zain	Ali	zainali.com	+923001221123	Gujrat
8	Nauman	Ali	noumanali.com	+923433443234	Gujrat
9	Amjad	Shah	amjadshah.com	+923023445676	Quetta
10	Zain	Iqbak	zainiqbal.com	+923002132222	Sailkot

```
EXEC Show_Customers_Data;
```

employee_id	employee_name	position	hire_date	salary
101	John Doe	Baker	2023-01-15	2500.00
102	Jane Smith	Cashier	2023-02-20	2000.00
103	Michael Johnson	Manager	2023-03-10	4000.00
104	Emily Adams	Baker	2023-04-05	2300.00
105	Robert Williams	Assistant	2023-05-01	1800.00
106	Sarah Brown	Cashier	2023-06-15	2100.00
107	David Lee	Baker	2023-07-20	2400.00
108	Karen Davis	Manager	2023-08-10	4500.00
109	James Wilson	Cashier	2023-09-05	1900.00
110	Linda Johnson	Assistant	2023-10-01	2000.00

```
EXEC Show_Order_Items_Data;
```

order_item_id	order_id	product_id	quantity	item_amount
1	1	1	3	7.50
2	1	2	2	3.50
3	1	4	1	2.25
4	2	2	1	1.75
5	2	3	2	3.90
6	3	1	1	2.50
7	4	5	3	9.00
8	5	7	2	4.00
9	6	6	4	6.00
10	6	8	1	4.50
11	7	9	2	2.50
12	7	3	1	1.95

```
EXEC Show_Orders_Data;
```

order_id	customer_id	order_date	total_amount
1	1	2023-07-01	50.00
2	2	2023-07-02	30.00
3	3	2023-07-03	25.00
4	4	2023-07-04	40.00
5	5	2023-07-05	15.00
6	6	2023-07-06	55.00
7	7	2023-07-07	20.00
8	8	2023-07-08	35.00
9	9	2023-07-09	10.00
10	10	2023-07-10	60.00

```
EXEC Show_Products_Data;
```

product_id	product_name	category	price	quantity_in_stock
1	Croissant	Pastries	2.50	50
2	Baguette	Bread	1.75	100
3	Blueberry Muffin	Muffins	1.95	30
4	Cinnamon Roll	Pastries	2.25	40
5	Sourdough Bread	Bread	3.00	60
6	Chocolate Chip Cookie	Cookies	1.50	80
7	Red Velvet Cupcake	Cupcakes	2.00	20
8	Apple Pie	Pies	4.50	15
9	Pretzel	Snacks	1.25	70
10	Cheesecake	Cakes	5.50	10

```
EXEC Show_Purchase_Data;
```

purchase_id	supplier_id	purchase_date	total_amount
1	1	2023-07-15	500.00
2	2	2023-07-16	750.00
3	3	2023-07-17	300.00
4	4	2023-07-18	900.00
5	5	2023-07-19	400.00
6	6	2023-07-20	600.00
7	7	2023-07-21	250.00
8	8	2023-07-22	350.00
9	9	2023-07-23	180.00
10	10	2023-07-24	800.00

```
EXEC Show_Sales_Data;
```

sale_id	employee_id	sale_date	total_amount
1	101	2023-07-01	120.00
2	102	2023-07-02	80.00
3	103	2023-07-03	200.00
4	104	2023-07-04	150.00
5	105	2023-07-05	100.00
6	106	2023-07-06	50.00
7	107	2023-07-07	180.00
8	108	2023-07-08	90.00
9	109	2023-07-09	110.00
10	110	2023-07-10	70.00

```
EXEC Show_Suppliers_Data;
```

supplier_id	supplier_name	contact_name	phone	email
1	ABC Bakery Supplies	John Doe	123-456-7890	john@example.com
2	XYZ Baking Goods	Jane Smith	987-654-3210	jane@example.com
3	Best Flour Co.	Mike Johnson	111-222-3333	mike@example.com
4	Fresh Dairy Inc.	Emily Adams	444-555-6666	emily@example.com
5	Sugar Sweeteners	David Lee	777-888-9999	david@example.com
6	Frosting Delights	Sarah Brown	222-333-4444	sarah@example.com
7	Quality Ingredients	Robert Smith	555-666-7777	robert@example.com
8	Bakery Tools Ltd.	Lisa Anderson	888-999-0000	lisa@example.com
9	Taste Enhancers Inc.	William White	333-444-5555	william@example.com
10	Oven Manufacturers	Karen Johnson	666-777-8888	karen@example.com

```
EXEC Show_Total_Amount_of_each_Order;
```

order_id	total_amount
1	13.25
2	5.65
3	2.50
4	9.00
5	4.00
6	10.50
7	4.45

```
EXEC Total_Sale_of_each_employee;
```

employee_id	total_sales_amount
101	120.00
102	80.00
103	200.00
104	150.00
105	100.00
106	50.00
107	180.00
108	90.00
109	110.00
110	70.00

```
EXEC MaxSaleEmployee;
```

employee_id	total_sales_amount
103	200.00

```
EXEC Customers_and_OrdersData
```

customer_id	first_name	email	order_id	order_date	total_amount
1	Aqeel	aqeelarshad.com	1	2023-07-01	50.00
2	Ahsan	ahsanayaz.com	2	2023-07-02	30.00
3	Qasim	qasimali.com	3	2023-07-03	25.00
4	Usama	usamaakhtar.com	4	2023-07-04	40.00
5	Kamran	kamranali.com	5	2023-07-05	15.00
6	Shahan	shahanghani.com	6	2023-07-06	55.00
7	Zain	zainali.com	7	2023-07-07	20.00
8	Nauman	noumanali.com	8	2023-07-08	35.00
9	Amjad	amjadshah.com	9	2023-07-09	10.00
10	Zain	zainiqbal.com	10	2023-07-10	60.00

```
EXEC Order_items_Orders_ProductsData
```

order_item_id	order_id	product_name	quantity	item_amount
1	1	Croissant	3	7.50
2	1	Baguette	2	3.50
3	1	Cinnamon Roll	1	2.25
4	2	Baguette	1	1.75
5	2	Blueberry Muffin	2	3.90
6	3	Croissant	1	2.50
7	4	Sourdough Bread	3	9.00
8	5	Red Velvet Cupcake	2	4.00
9	6	Chocolate Chip Cookie	4	6.00
10	6	Apple Pie	1	4.50
11	7	Pretzel	2	2.50
12	7	Blueberry Muffin	1	1.95

```
EXEC Order_Product_Details
```

order_id	product_name	quantity	item_amount
1	Croissant	3	7.50
1	Baguette	2	3.50
1	Cinnamon Roll	1	2.25
2	Baguette	1	1.75
2	Blueberry Muffin	2	3.90
3	Croissant	1	2.50
4	Sourdough Bread	3	9.00
5	Red Velvet Cupcake	2	4.00
6	Chocolate Chip Cookie	4	6.00
6	Apple Pie	1	4.50
7	Pretzel	2	2.50
7	Blueberry Muffin	1	1.95

```
EXEC Employee__SaleDetails
```

employee_name	position	sale_id	sale_date	total_amount
John Doe	Baker	1	2023-07-01	120.00
Jane Smith	Cashier	2	2023-07-02	80.00
Michael Johnson	Manager	3	2023-07-03	200.00
Emily Adams	Baker	4	2023-07-04	150.00
Robert Williams	Assistant	5	2023-07-05	100.00
Sarah Brown	Cashier	6	2023-07-06	50.00
David Lee	Baker	7	2023-07-07	180.00
Karen Davis	Manager	8	2023-07-08	90.00
James Wilson	Cashier	9	2023-07-09	110.00
Linda Johnson	Assistant	10	2023-07-10	70.00