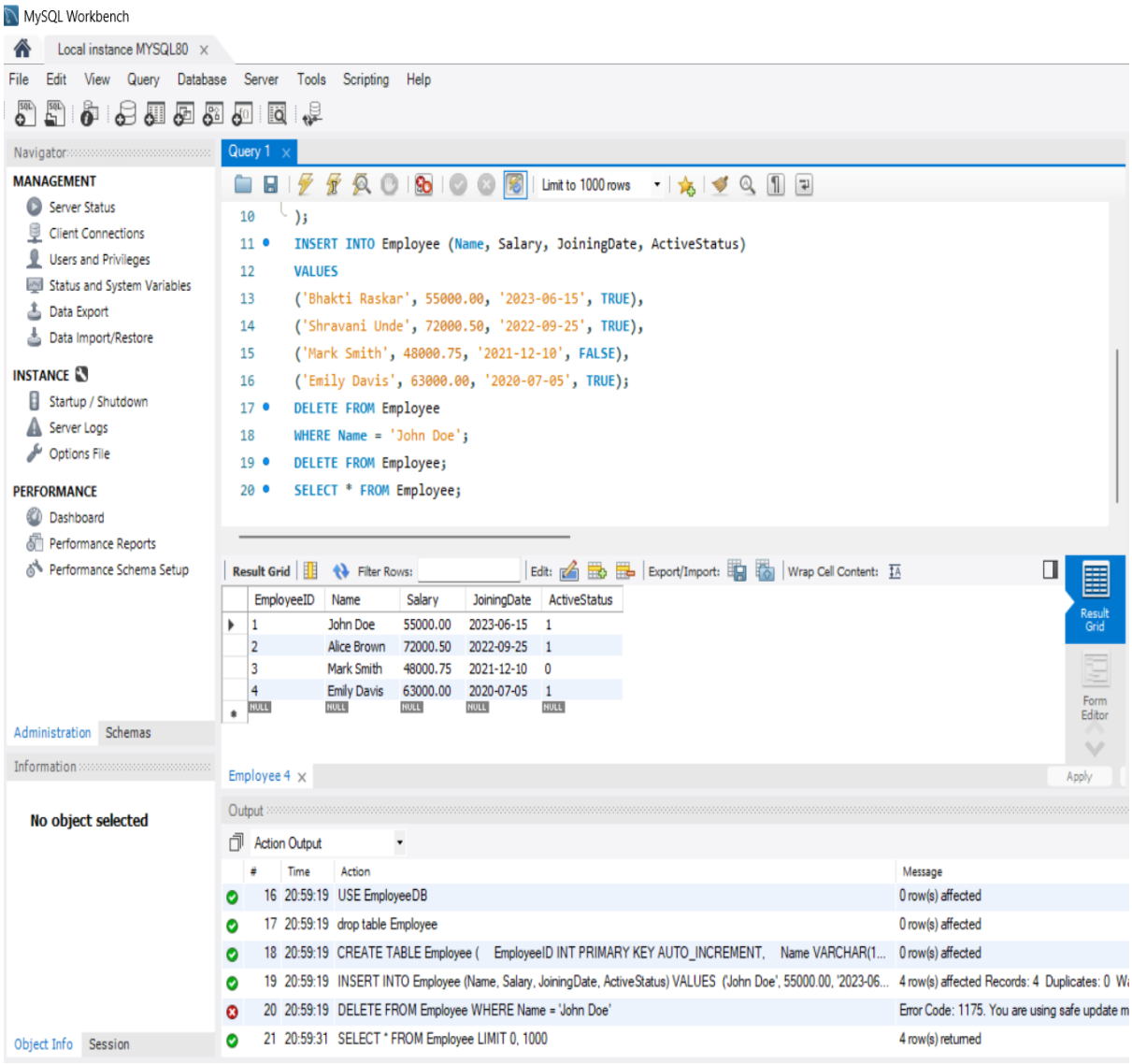
DATABASE MANAGEMENT SYSTEM:

PROGRAM NO.1

Install and set up MySQL. Create a database and a table to store employee details. Perform basic operations like INSERT & DELETE.

```
##CREATE DATABASE EmployeeDB;
USE EmployeeDB;
drop table Employee;
CREATE TABLE Employee (
    EmployeeID INT PRIMARY KEY AUTO_INCREMENT,
    Name VARCHAR(100) NOT NULL,
    Salary DECIMAL(10, 2),
    JoiningDate DATE,
    ActiveStatus BOOLEAN
);
INSERT INTO Employee (Name, Salary, JoiningDate, ActiveStatus)
VALUES
('Bhakti Raskar', 55000.00, '2023-06-15', TRUE),
( ‘Shravani Unde', 72000.50, '2022-09-25', TRUE),
('Mark Smith', 48000.75, '2021-12-10', FALSE),
('Emily Davis', 63000.00, '2020-07-05', TRUE);
DELETE FROM Employee
WHERE Name = 'John Doe';
DELETE FROM Employee;
SELECT * FROM Employee;
```



PROGRAM NO.02

Create a table for storing student information. Insert sample data and perform basic operations: INSERT, UPDATE, DELETE, and SELECT.

```
CREATE TABLE Students (
    StudentID INT PRIMARY KEY,
    FirstName VARCHAR(50),
    LastName VARCHAR(50),
    Age INT,
    Major VARCHAR(50)
```

```
);
INSERT INTO Students (StudentID, FirstName, LastName, Age,
Major)
VALUES
(1, 'Aarav', 'Patel', 20, 'Computer Science'),
(2, 'Ishita', 'Sharma', 22, 'Mathematics'),
(3, 'Rohan', 'Mehta', 19, 'Physics'),
(4, 'Sanya', 'Kapoor', 21, 'Chemistry');
UPDATE Students
SET Age = 21
WHERE StudentID = 3;
DELETE FROM Students
WHERE StudentID = 4;
SELECT * FROM Students;
SELECT FirstName, LastName
FROM Students;
```

Output:

StudentID	FirstName	LastName	Age	Major
1	Aarav	Patel	20	Computer Science
2	Ishita	Sharma	22	Mathematics
3	Rohan	Mehta	21	Physics

FirstName	LastName
Aarav	Patel
Ishita	Sharma
Rohan	Mehta

PROGRAM NO.03

Create a table with columns for EmployeeID, Name, Salary, JoiningDate, and ActiveStatus using different data types. Insert sample data and perform queries to
manipulate and retrieve data.

```sql
CREATE TABLE employee (
    EmployeeID INT PRIMARY KEY AUTO_INCREMENT,
    Name VARCHAR(100) NOT NULL,
    Salary DECIMAL(10, 2),
    JoiningDate DATE,
    ActiveStatus BOOLEAN
);

INSERT INTO employee (Name, Salary, JoiningDate, ActiveStatus) VALUES
('Bhakti Raskar', 75000.00, '2022-08-01', TRUE),
('Smith Marky', 68000.50, '2021-06-15', TRUE),
('John Doe', 54000.75, '2020-03-20', FALSE),
('Ashish Gaikwad', 82000.00, '2019-11-10', TRUE);

UPDATE employee SET Salary = 79000.00 WHERE Name = 'Bhakti Raskar';

DELETE FROM employee WHERE Name = 'John Doe';

SELECT * FROM employee;

SELECT * FROM employee WHERE ActiveStatus = TRUE;

SELECT * FROM employee WHERE JoiningDate > '2021-01-01';


CREATE TABLE department (
    dept_id INT PRIMARY KEY,
    dept_name VARCHAR(50) UNIQUE
);
```

STDIN

Input for the program (Optional)

Output:

```
+------------+---------------+----------+-------------+--------------+
| EmployeeID | Name          | Salary   | JoiningDate | ActiveStatus |
+------------+---------------+----------+-------------+--------------+
|          1 | Bhakti Raskar | 79000.00 | 2022-08-01  |            1 |
|          2 | Smith Marky   | 68000.50 | 2021-06-15  |            1 |
|          4 | Ashish Gaikwad| 82000.00 | 2019-11-10  |            1 |
+------------+---------------+----------+-------------+--------------+
+------------+---------------+----------+-------------+--------------+
| EmployeeID | Name          | Salary   | JoiningDate | ActiveStatus |
+------------+---------------+----------+-------------+--------------+
|          1 | Bhakti Raskar | 79000.00 | 2022-08-01  |            1 |
|          2 | Smith Marky   | 68000.50 | 2021-06-15  |            1 |
|          4 | Ashish Gaikwad| 82000.00 | 2019-11-10  |            1 |
+------------+---------------+----------+-------------+--------------+
+------------+---------------+----------+-------------+--------------+
| EmployeeID | Name          | Salary   | JoiningDate | ActiveStatus |
+------------+---------------+----------+-------------+--------------+
|          1 | Bhakti Raskar | 79000.00 | 2022-08-01  |            1 |
|          2 | Smith Marky   | 68000.50 | 2021-06-15  |            1 |
+------------+---------------+----------+-------------+--------------+
```

PROGRAM NO.04

Creating Employee Table with Constraints

Aim: Create a table to store employee information with constraints like Primary Key, Foreign Key, and Unique.

```
CREATE TABLE department (
   dept_id INT PRIMARY KEY,
   dept_name VARCHAR(50) UNIQUE
);
CREATE TABLE employee (
   emp_id INT PRIMARY KEY,
   emp_name VARCHAR(50),
   email VARCHAR(100) UNIQUE,
   dept_id INT,
   FOREIGN KEY (dept_id) REFERENCES department(dept_id)
);

INSERT INTO department VALUES (1, 'HR');
INSERT INTO department VALUES (2, 'IT');

INSERT INTO employee VALUES (101, 'Bhakti', 'bhakti@example.com', 1);
INSERT INTO employee VALUES (102, 'Ashish', 'ashish@example.com', 2);
SELECT * FROM department;
SELECT * FROM employee;

-- Invalid Data Tests (Uncomment one by one to test)
-- Duplicate Primary Key (emp_id = 101 already exists)
-- INSERT INTO employee VALUES (101, 'Sahil', 'sahil@example.com', 1);

-- Duplicate Unique email (email = 'bhakti@example.com' already used)
-- INSERT INTO employee VALUES (103, 'Aman', 'bhakti@example.com', 1);

-- Invalid Foreign Key (dept_id = 5 does not exist)
-- INSERT INTO employee VALUES (104, 'Meera', 'meera@example.com', 5);
```

Output:

```
+---------+-----------+
| dept_id | dept_name |
+---------+-----------+
|       1 | HR        |
|       2 | IT        |
+---------+-----------+
+--------+----------+--------------------+---------+
| emp_id | emp_name | email              | dept_id |
+--------+----------+--------------------+---------+
|    101 | Bhakti   | bhakti@example.com |       1 |
|    102 | Ashish   | ashish@example.com |       2 |
+--------+----------+--------------------+---------+
```

PROGRAM NO.05

Testing Employee Constraints

Aim: To test constraints like PRIMARY KEY, UNIQUE, and CHECK by inserting invalid data into the Employee table.

Code:

```
CREATE TABLE customer (
   cust_id INT PRIMARY KEY,
   cust_name VARCHAR(50) NOT NULL,
   age INT CHECK (age >= 18),
   email VARCHAR(100) UNIQUE NOT NULL,
   city VARCHAR(50) DEFAULT 'Pune'
);
INSERT INTO customer VALUES (1, 'Bhakti', 20, 'bhakti@example.com', 'Delhi');
INSERT INTO customer (cust_id, cust_name, age, email)
VALUES (2, 'Ashu', 25, 'ashu@example.com');

SELECT * FROM customer;
-- NULL value
-- INSERT INTO customer VALUES (3, NULL, 23, 'nullname@example.com',
'Pune');
-- INSERT INTO customer VALUES (4, 'Tommy', 16, 'tommy@example.com',
'Delhi');

-- Duplicate email
-- INSERT INTO customer VALUES (5, 'Neha', 30, 'bhakti@example.com',
'Chennai');
```

```sql
CREATE TABLE customer (
    cust_id INT PRIMARY KEY,
    cust_name VARCHAR(50) NOT NULL,
    age INT CHECK (age >= 18),
    email VARCHAR(100) UNIQUE NOT NULL,
    city VARCHAR(50) DEFAULT 'Pune'
);
INSERT INTO customer VALUES (1, 'Bhakti', 20, 'bhakti@example.com', 'Delhi');
INSERT INTO customer (cust_id, cust_name, age, email)
VALUES (2, 'Ashu', 25, 'ashu@example.com');

SELECT * FROM customer;
-- NULL value
-- INSERT INTO customer VALUES (3, NULL, 23, 'nullname@example.com', 'Pune');
-- INSERT INTO customer VALUES (4, 'Tommy', 16, 'tommy@example.com', 'Delhi');

-- Duplicate email
-- INSERT INTO customer VALUES (5, 'Neha', 30, 'bhakti@example.com', 'Chennai');
```

STDIN

Input for the program (Optional)

Output:

```
+---------+-----------+------+-------------------+-------+
| cust_id | cust_name | age  | email             | city  |
+---------+-----------+------+-------------------+-------+
|       1 | Bhakti    |   20 | bhakti@example.com | Delhi |
|       2 | Ashu      |   25 | ashu@example.com   | Pune  |
+---------+-----------+------+-------------------+-------+
```

PROGRAM NO.06

Use DDL commands to create tables and DML commands to insert, update & delete
data. Write SELECT queries to retrieve and verify data changes..

```sql
CREATE TABLE customers (
    cust_id INT PRIMARY KEY,
    cust_name VARCHAR(50) NOT NULL,
    city VARCHAR(50)
);
CREATE TABLE orders (
    order_id INT PRIMARY KEY,
    cust_id INT,
    product VARCHAR(50),
    amount DECIMAL(10, 2),
    FOREIGN KEY (cust_id) REFERENCES customers(cust_id) ON DELETE
CASCADE
);
INSERT INTO customers VALUES (1, 'Kunal', 'Nashik');
INSERT INTO customers VALUES (2, 'Riya', 'Pune');
INSERT INTO customers VALUES (3, 'Aman', 'Mumbai');

INSERT INTO orders VALUES (101, 1, 'Laptop', 55000.00);
INSERT INTO orders VALUES (102, 2, 'Phone', 20000.00);
INSERT INTO orders VALUES (103, 1, 'Keyboard', 1500.00);

SELECT * FROM customers;
SELECT * FROM orders;
UPDATE customers SET city = 'Aurangabad' WHERE cust_id = 3;
UPDATE orders SET amount = 58000.00 WHERE order_id = 101;
SELECT * FROM customers;
```

*SELECT * FROM orders;*
DELETE FROM customers WHERE cust_id = 1;
*SELECT * FROM customers;*
*SELECT * FROM orders;*

```
CREATE TABLE customers (
    cust_id INT PRIMARY KEY,
    cust_name VARCHAR(50) NOT NULL,
    city VARCHAR(50)
);
CREATE TABLE orders (
    order_id INT PRIMARY KEY,
    cust_id INT,
    product VARCHAR(50),
    amount DECIMAL(10, 2),
    FOREIGN KEY (cust_id) REFERENCES customers(cust_id) ON DELETE CASCADE
);
INSERT INTO customers VALUES (1, 'Bhakti', 'Delhi');
INSERT INTO customers VALUES (2, 'Ashi', 'Pune');
INSERT INTO customers VALUES (3, 'Janhavi', 'Mumbai');

INSERT INTO orders VALUES (101, 1, 'Laptop', 55000.00);
INSERT INTO orders VALUES (102, 2, 'Phone', 20000.00);
INSERT INTO orders VALUES (103, 1, 'Keyboard', 1500.00);

SELECT * FROM customers;
SELECT * FROM orders;
UPDATE customers SET city = 'Aurangabad' WHERE cust_id = 3;
UPDATE orders SET amount = 58000.00 WHERE order_id = 101;
SELECT * FROM customers;
SELECT * FROM orders;
DELETE FROM customers WHERE cust_id = 1;
SELECT * FROM customers;
SELECT * FROM orders;
```

```
STDIN
Input for the program (Optional)

Output:

+---------+-----------+--------+
| cust_id | cust_name | city   |
+---------+-----------+--------+
|       1 | Bhakti    | Delhi  |
|       2 | Ashi      | Pune   |
|       3 | Janhavi   | Mumbai |
+---------+-----------+--------+
+----------+---------+----------+----------+
| order_id | cust_id | product  | amount   |
+----------+---------+----------+----------+
|      101 |       1 | Laptop   | 55000.00 |
|      102 |       2 | Phone    | 20000.00 |
|      103 |       1 | Keyboard |  1500.00 |
+----------+---------+----------+----------+
+---------+-----------+------------+
| cust_id | cust_name | city       |
+---------+-----------+------------+
|       1 | Bhakti    | Delhi      |
|       2 | Ashi      | Pune       |
|       3 | Janhavi   | Aurangabad |
+---------+-----------+------------+
```

```
CREATE TABLE customers (
    cust_id INT PRIMARY KEY,
    cust_name VARCHAR(50) NOT NULL,
    city VARCHAR(50)
);
CREATE TABLE orders (
    order_id INT PRIMARY KEY,
    cust_id INT,
    product VARCHAR(50),
    amount DECIMAL(10, 2),
    FOREIGN KEY (cust_id) REFERENCES customers(cust_id) ON DELETE CASCADE
);
INSERT INTO customers VALUES (1, 'Bhakti', 'Delhi');
INSERT INTO customers VALUES (2, 'Ashi', 'Pune');
INSERT INTO customers VALUES (3, 'Janhavi', 'Mumbai');

INSERT INTO orders VALUES (101, 1, 'Laptop', 55000.00);
INSERT INTO orders VALUES (102, 2, 'Phone', 20000.00);
INSERT INTO orders VALUES (103, 1, 'Keyboard', 1500.00);

SELECT * FROM customers;
SELECT * FROM orders;
UPDATE customers SET city = 'Aurangabad' WHERE cust_id = 3;
UPDATE orders SET amount = 58000.00 WHERE order_id = 101;
SELECT * FROM customers;
SELECT * FROM orders;
DELETE FROM customers WHERE cust_id = 1;
SELECT * FROM customers;
SELECT * FROM orders;
```

```
STDIN
Input for the program (Optional)

|      103 |       1 | Keyboard |  1500.00 |
+----------+---------+----------+----------+
+---------+-----------+------------+
| cust_id | cust_name | city       |
+---------+-----------+------------+
|       1 | Bhakti    | Delhi      |
|       2 | Ashi      | Pune       |
|       3 | Janhavi   | Aurangabad |
+---------+-----------+------------+
+----------+---------+----------+----------+
| order_id | cust_id | product  | amount   |
+----------+---------+----------+----------+
|      101 |       1 | Laptop   | 58000.00 |
|      102 |       2 | Phone    | 20000.00 |
|      103 |       1 | Keyboard |  1500.00 |
+----------+---------+----------+----------+
+---------+-----------+------------+
| cust_id | cust_name | city       |
+---------+-----------+------------+
|       2 | Ashi      | Pune       |
|       3 | Janhavi   | Aurangabad |
+---------+-----------+------------+
+----------+---------+---------+----------+
| order_id | cust_id | product | amount   |
+----------+---------+---------+----------+
|      102 |       2 | Phone   | 20000.00 |
+----------+---------+---------+----------+
```

PROGRAM NO.07

7. Create a Sales table and use aggregate functions like COUNT, SUM, AVG, MIN, and
MAX to summarize sales data and calculate statistics.

CREATE TABLE Sales (
SaleID INT PRIMARY KEY,
ProductName VARCHAR(50),
Quantity INT,
Price DECIMAL(10, 2),
SaleDate DATE
);

INSERT INTO Sales VALUES (1, 'Laptop', 2, 60000.00, '2025-04-01');
INSERT INTO Sales VALUES (2, 'Mouse', 5, 500.00, '2025-04-02');
INSERT INTO Sales VALUES (3, 'Keyboard', 3, 1500.00, '2025-04-02');
INSERT INTO Sales VALUES (4, 'Monitor', 1, 12000.00, '2025-04-03');
INSERT INTO Sales VALUES (5, 'Laptop', 1, 60000.00, '2025-04-03');
INSERT INTO Sales VALUES (6, 'Mouse', 10, 500.00, '2025-04-04');

SELECT COUNT(*) AS TotalSales FROM Sales;

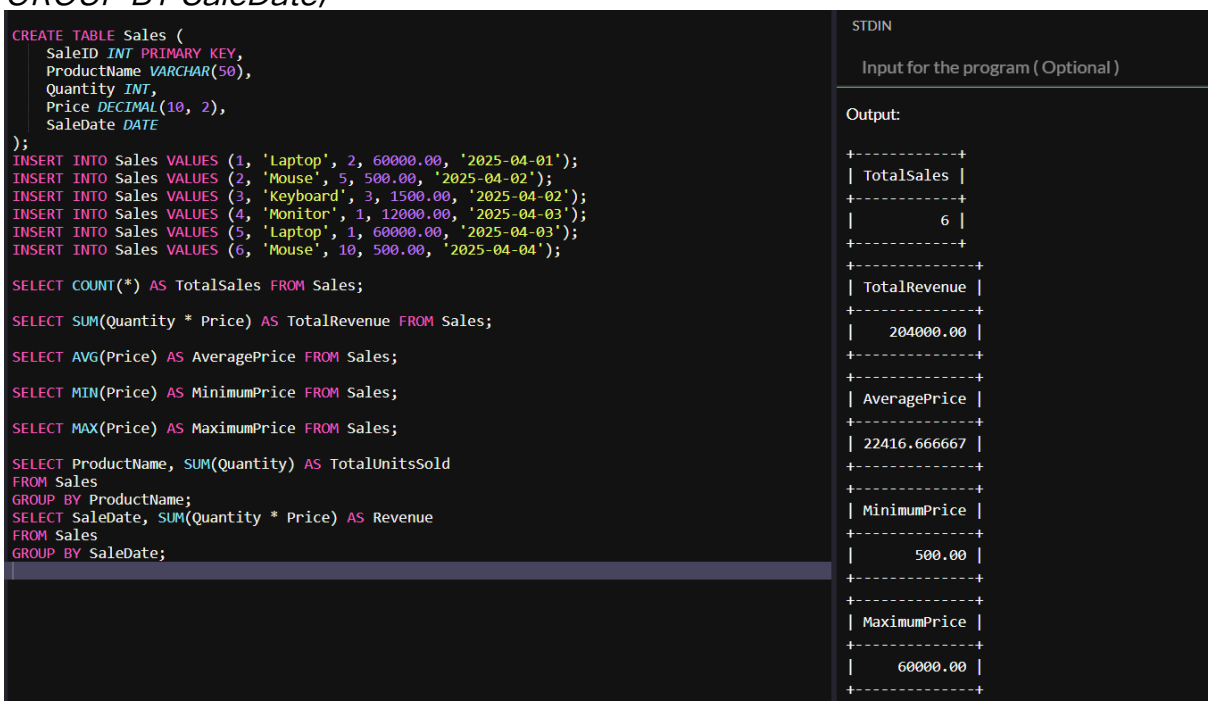
*SELECT SUM(Quantity * Price) AS TotalRevenue FROM Sales;*

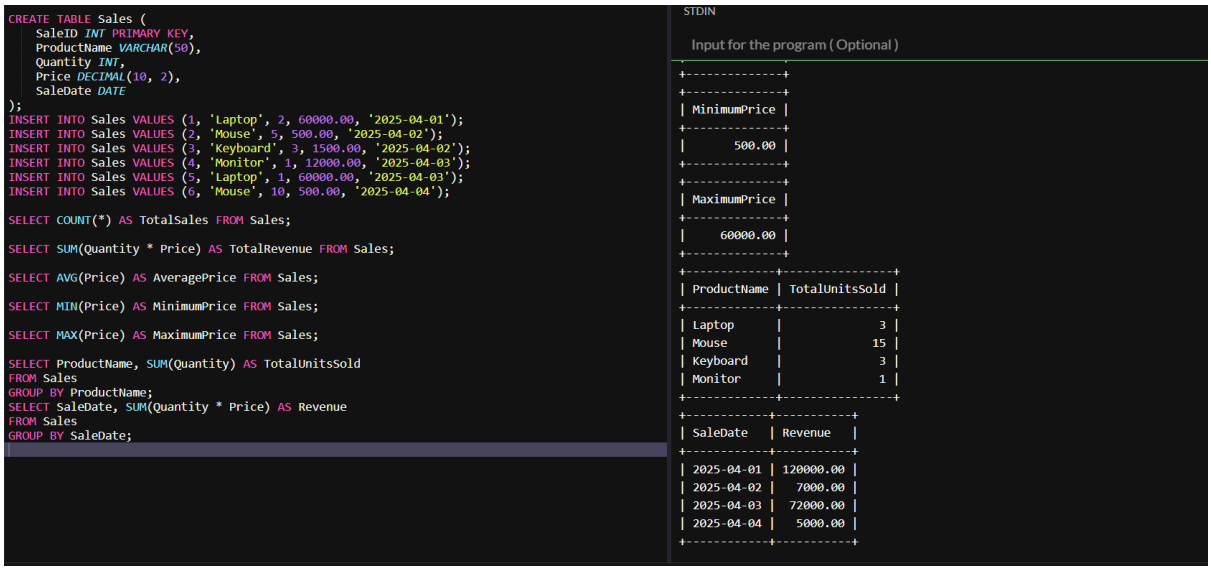
SELECT AVG(Price) AS AveragePrice FROM Sales;

SELECT MIN(Price) AS MinimumPrice FROM Sales;

SELECT MAX(Price) AS MaximumPrice FROM Sales;

SELECT ProductName, SUM(Quantity) AS TotalUnitsSold
FROM Sales
GROUP BY ProductName;
*SELECT SaleDate, SUM(Quantity * Price) AS Revenue*
FROM Sales
GROUP BY SaleDate;





```
CREATE TABLE Sales (
    SaleID INT PRIMARY KEY,
    ProductName VARCHAR(50),
    Quantity INT,
    Price DECIMAL(10, 2),
    SaleDate DATE
);
INSERT INTO Sales VALUES (1, 'Laptop', 2, 60000.00, '2025-04-01');
INSERT INTO Sales VALUES (2, 'Mouse', 5, 500.00, '2025-04-02');
INSERT INTO Sales VALUES (3, 'Keyboard', 3, 1500.00, '2025-04-02');
INSERT INTO Sales VALUES (4, 'Monitor', 1, 12000.00, '2025-04-03');
INSERT INTO Sales VALUES (5, 'Laptop', 1, 60000.00, '2025-04-03');
INSERT INTO Sales VALUES (6, 'Mouse', 10, 500.00, '2025-04-04');

SELECT COUNT(*) AS TotalSales FROM Sales;

SELECT SUM(Quantity * Price) AS TotalRevenue FROM Sales;

SELECT AVG(Price) AS AveragePrice FROM Sales;

SELECT MIN(Price) AS MinimumPrice FROM Sales;

SELECT MAX(Price) AS MaximumPrice FROM Sales;

SELECT ProductName, SUM(Quantity) AS TotalUnitsSold
FROM Sales
GROUP BY ProductName;
SELECT SaleDate, SUM(Quantity * Price) AS Revenue
FROM Sales
GROUP BY SaleDate;
```

```
STDIN

Input for the program ( Optional )

+--------------+
+--------------+
| MinimumPrice |
+--------------+
|       500.00 |
+--------------+
+--------------+
| MaximumPrice |
+--------------+
|     60000.00 |
+--------------+
+-------------+----------------+
| ProductName | TotalUnitsSold |
+-------------+----------------+
| Laptop      |              3 |
| Mouse       |             15 |
| Keyboard    |              3 |
| Monitor     |              1 |
+-------------+----------------+
+------------+-----------+
| SaleDate   | Revenue   |
+------------+-----------+
| 2025-04-01 | 120000.00 |
| 2025-04-02 |   7000.00 |
| 2025-04-03 |  72000.00 |
| 2025-04-04 |   5000.00 |
+------------+-----------+
```

PROGRAM NO.08

Given Customers and Orders tables, write SQL queries to perform INNERJOIN LEFTJOIN, and RIGHTJOIN to retrieve combined data for customer orders..

```
CREATE TABLE Customers (
    CustomerID INT PRIMARY KEY,
    Name VARCHAR(50),
    City VARCHAR(50)
);
CREATE TABLE Orders (
    OrderID INT PRIMARY KEY,
    CustomerID INT,
    Product VARCHAR(50),
    OrderDate DATE,
    FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)
);
INSERT INTO Customers (CustomerID, Name, City) VALUES
(1, 'Bhakti', 'Delhi'),
(2, 'Ashu', 'Pune'),
(3, 'Priya', 'Nashik'),
(4, 'Aditya', 'Nagpur');
INSERT INTO Orders (OrderID, CustomerID, Product, OrderDate) VALUES
(101, 1, 'Laptop', '2025-02-01'),
(102, 2, 'Mobile', '2025-02-03'),
(103, 1, 'Tablet', '2025-02-04'),
(104, 3, 'Headphones', '2025-02-05');
SELECT Customers.CustomerID, Name, City, Product, OrderDate
FROM Customers
INNER JOIN Orders ON Customers.CustomerID = Orders.CustomerID;
SELECT Customers.CustomerID, Name, City, Product, OrderDate
FROM Customers
LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID;
SELECT Customers.CustomerID, Name, City, Product, OrderDate
```

FROM Customers
RIGHT JOIN Orders ON Customers.CustomerID = Orders.CustomerID;
*SELECT * FROM Customers;*
*SELECT * FROM Orders;*

```
CREATE TABLE Customers (
    CustomerID INT PRIMARY KEY,
    Name VARCHAR(50),
    City VARCHAR(50)
);
CREATE TABLE Orders (
    OrderID INT PRIMARY KEY,
    CustomerID INT,
    Product VARCHAR(50),
    OrderDate DATE,
    FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)
);
INSERT INTO Customers (CustomerID, Name, City) VALUES
(1, 'Bhakti', 'Delhi'),
(2, 'Ashu', 'Pune'),
(3, 'Priya', 'Nashik'),
(4, 'Aditya', 'Nagpur');
INSERT INTO Orders (OrderID, CustomerID, Product, OrderDate) VALUES
(101, 1, 'Laptop', '2025-02-01'),
(102, 2, 'Mobile', '2025-02-03'),
(103, 1, 'Tablet', '2025-02-04'),
(104, 3, 'Headphones', '2025-02-05');
SELECT Customers.CustomerID, Name, City, Product, OrderDate
FROM Customers
INNER JOIN Orders ON Customers.CustomerID = Orders.CustomerID;
SELECT Customers.CustomerID, Name, City, Product, OrderDate
FROM Customers
LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID;
SELECT Customers.CustomerID, Name, City, Product, OrderDate
FROM Customers
RIGHT JOIN Orders ON Customers.CustomerID = Orders.CustomerID;
SELECT * FROM Customers;
SELECT * FROM Orders;
```

STDIN

Input for the program (Optional)

Output:

```
+------------+--------+--------+------------+------------+
| CustomerID | Name   | City   | Product    | OrderDate  |
+------------+--------+--------+------------+------------+
|          1 | Bhakti | Delhi  | Laptop     | 2025-02-01 |
|          1 | Bhakti | Delhi  | Tablet     | 2025-02-04 |
|          2 | Ashu   | Pune   | Mobile     | 2025-02-03 |
|          3 | Priya  | Nashik | Headphones | 2025-02-05 |
+------------+--------+--------+------------+------------+
+------------+--------+--------+------------+------------+
| CustomerID | Name   | City   | Product    | OrderDate  |
+------------+--------+--------+------------+------------+
|          1 | Bhakti | Delhi  | Laptop     | 2025-02-01 |
|          1 | Bhakti | Delhi  | Tablet     | 2025-02-04 |
|          2 | Ashu   | Pune   | Mobile     | 2025-02-03 |
|          3 | Priya  | Nashik | Headphones | 2025-02-05 |
|          4 | Aditya | Nagpur | NULL       | NULL       |
+------------+--------+--------+------------+------------+
+------------+--------+--------+------------+------------+
| CustomerID | Name   | City   | Product    | OrderDate  |
+------------+--------+--------+------------+------------+
|          1 | Bhakti | Delhi  | Laptop     | 2025-02-01 |
|          2 | Ashu   | Pune   | Mobile     | 2025-02-03 |
|          3 | Priya  | Nashik | Headphones | 2025-02-05 |
|          1 | Bhakti | Delhi  | Tablet     | 2025-02-04 |
+------------+--------+--------+------------+------------+
```

```
CREATE TABLE Customers (
    CustomerID INT PRIMARY KEY,
    Name VARCHAR(50),
    City VARCHAR(50)
);
CREATE TABLE Orders (
    OrderID INT PRIMARY KEY,
    CustomerID INT,
    Product VARCHAR(50),
    OrderDate DATE,
    FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)
);
INSERT INTO Customers (CustomerID, Name, City) VALUES
(1, 'Bhakti', 'Delhi'),
(2, 'Ashu', 'Pune'),
(3, 'Priya', 'Nashik'),
(4, 'Aditya', 'Nagpur');
INSERT INTO Orders (OrderID, CustomerID, Product, OrderDate) VALUES
(101, 1, 'Laptop', '2025-02-01'),
(102, 2, 'Mobile', '2025-02-03'),
(103, 1, 'Tablet', '2025-02-04'),
(104, 3, 'Headphones', '2025-02-05');
SELECT Customers.CustomerID, Name, City, Product, OrderDate
FROM Customers
INNER JOIN Orders ON Customers.CustomerID = Orders.CustomerID;
SELECT Customers.CustomerID, Name, City, Product, OrderDate
FROM Customers
LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID;
SELECT Customers.CustomerID, Name, City, Product, OrderDate
FROM Customers
RIGHT JOIN Orders ON Customers.CustomerID = Orders.CustomerID;
SELECT * FROM Customers;
SELECT * FROM Orders;
```

STDIN

Input for the program (Optional)

```
|          3 | Priya  | Nashik | Headphones | 2025-02-05 |
|          4 | Aditya | Nagpur | NULL       | NULL       |
+------------+--------+--------+------------+------------+
+------------+--------+--------+------------+------------+
| CustomerID | Name   | City   | Product    | OrderDate  |
+------------+--------+--------+------------+------------+
|          1 | Bhakti | Delhi  | Laptop     | 2025-02-01 |
|          2 | Ashu   | Pune   | Mobile     | 2025-02-03 |
|          1 | Bhakti | Delhi  | Tablet     | 2025-02-04 |
|          3 | Priya  | Nashik | Headphones | 2025-02-05 |
+------------+--------+--------+------------+------------+
+------------+--------+--------+
| CustomerID | Name   | City   |
+------------+--------+--------+
|          1 | Bhakti | Delhi  |
|          2 | Ashu   | Pune   |
|          3 | Priya  | Nashik |
|          4 | Aditya | Nagpur |
+------------+--------+--------+
+---------+------------+------------+------------+
| OrderID | CustomerID | Product    | OrderDate  |
+---------+------------+------------+------------+
|     101 |          1 | Laptop     | 2025-02-01 |
|     102 |          2 | Mobile     | 2025-02-03 |
|     103 |          1 | Tablet     | 2025-02-04 |
|     104 |          3 | Headphones | 2025-02-05 |
+---------+------------+------------+------------+
```