```
mysql> use LocalmarketDB;
Database changed
mysql> SELECT
    ->     Name AS CustomerName,
    ->     (SELECT SUM(P.Amount)
    ->      FROM Payments P
    ->      JOIN Orders O ON P.OrderID = O.OrderID
    ->      WHERE O.CustomerID = C.CustomerID) AS TotalSpent
    -> FROM Customers C;
+--------------+------------+
| CustomerName | TotalSpent |
+--------------+------------+
| Sohan Mehta  |    2999.00 |
| Priya Desai  |     600.00 |
| Alok Tiwari  |     850.00 |
| Tina Singh   |       NULL |
| Varun Rao    |    1800.00 |
| Arjun Gill   |    1080.00 |
| Nisha Joshi  |    2200.00 |
+--------------+------------+
7 rows in set (0.05 sec)
```

```
mysql> SELECT Name
    -> FROM Customers
    -> WHERE CustomerID = (
    ->     SELECT O.CustomerID
    ->     FROM Orders O
    ->     JOIN Payments P ON O.OrderID = P.OrderID
    ->     GROUP BY O.CustomerID
    ->     ORDER BY SUM(P.Amount) DESC
    ->     LIMIT 1
    -> );
+-------------+
| Name        |
+-------------+
| Sohan Mehta |
+-------------+
1 row in set (0.00 sec)
```

```
mysql> SELECT Name
    -> FROM Customers
    -> WHERE CustomerID IN (
    ->     SELECT CustomerID
    ->     FROM Orders
    ->     WHERE OrderID IN (
    ->         SELECT OrderID
    ->         FROM OrderItems
    ->         WHERE ProductID IN (
    ->             SELECT ProductID
    ->             FROM Products
    ->             WHERE SellerID IN (
    ->                 SELECT SellerID
    ->                 FROM Sellers
    ->                 WHERE Address = 'Delhi'
    ->             )
    ->         )
    ->     )
    -> );
+-----------+
| Name      |
+-----------+
| Varun Rao |
+-----------+
1 row in set (0.01 sec)
```

```
mysql> SELECT
    ->    COUNT(*) AS TotalOrders,
    ->    SUM(TotalAmount) AS TotalRevenue
    -> FROM (
    ->    SELECT O.OrderID, SUM(P.Amount) AS TotalAmount
    ->    FROM Orders O
    ->    JOIN Payments P ON O.OrderID = P.OrderID
    ->    GROUP BY O.OrderID
    -> ) AS OrderSummary;
+-------------+--------------+
| TotalOrders | TotalRevenue |
+-------------+--------------+
|           6 |      9529.00 |
+-------------+--------------+
1 row in set (0.00 sec)
```

```
mysql> SELECT Name
    -> FROM Sellers S
    -> WHERE EXISTS (
    ->    SELECT 1
    ->    FROM Products P
    ->    JOIN Inventory I ON P.ProductID = I.ProductID
    ->    WHERE P.SellerID = S.SellerID
    -> );
+----------------+
| Name           |
+----------------+
| Anjali Sharma  |
| Sunita Rao     |
| Amit Singh     |
+----------------+
3 rows in set (0.02 sec)
```

```
mysql> SELECT Name, Price
    -> FROM Products P1
    -> WHERE Price > (
    ->    SELECT AVG(Price)
    ->    FROM Products P2
    ->    WHERE P1.CategoryID = P2.CategoryID
    -> );
Empty set (0.02 sec)
```

```
mysql> SELECT Name
    -> FROM Customers
    -> WHERE CustomerID IN (
    ->    SELECT CustomerID
    ->    FROM Orders
    ->    WHERE OrderID IN (
    ->       SELECT OrderID
    ->       FROM Payments
    ->       WHERE Amount > 2000
    ->    )
    -> );
+-------------+
| Name        |
+-------------+
| Sohan Mehta |
| Nisha Joshi |
+-------------+
2 rows in set (0.00 sec)
```