

Orders Table:

```
DROP TABLE IF EXISTS orders;
```

```
CREATE TABLE orders (
```

```
    OrderID TEXT,
```

```
    OrderDate TEXT,
```

```
    CustomerName TEXT,
```

```
    Region TEXT,
```

```
    City TEXT
```

```
);
```

```
.mode csv
```

```
.import --skip 1 "List of Orders.csv" orders
```

Order Details Table:

```
DROP TABLE IF EXISTS order_details;
```

```
CREATE TABLE order_details (
```

```
    OrderID TEXT,
```

```
    ProductName TEXT,
```

```
    Quantity INTEGER,
```

```
    Sales REAL
```

```
);
```

```
.mode csv
```

```
.import --skip 1 "Order Details.csv" order_details
```

Sales Target Table:

```
DROP TABLE IF EXISTS sales_target;
```

```
CREATE TABLE sales_target (
```

```
    Region TEXT,
```

```
    Target REAL
```

```
);
```

```
.mode csv
```

```
.import --skip 1 "Sales target.csv" sales_target
```

Verify the tables:

```
PRAGMA table_info(orders);
```

```
PRAGMA table_info(order_details);
```

```
PRAGMA table_info(sales_target);
```

Create analysis.sql file:

```
-- Step 1: Basic Select
```

```
SELECT * FROM orders LIMIT 10;
```

```
-- Step 2: Total Sales by Region
```

```
SELECT o.Region, SUM(od.Sales) AS TotalSales
```

```
FROM orders o
```

```
JOIN order_details od ON o.OrderID = od.OrderID
```

```
GROUP BY o.Region
```

```
ORDER BY TotalSales DESC;
```

```
-- Step 3: Orders & Order Details Join
```

```
SELECT o.OrderID, o.Region, od.ProductName, od.Quantity, od.Sales
```

```
FROM orders o
```

```
JOIN order_details od ON o.OrderID = od.OrderID
```

```
LIMIT 10;
```

```
-- Step 4: Orders with Above Average Sales
```

```
SELECT o.OrderID, o.Region, SUM(od.Sales) AS TotalSales
```

```
FROM orders o
```

```
JOIN order_details od ON o.OrderID = od.OrderID
```

```
GROUP BY o.OrderID
```

```
HAVING TotalSales > (SELECT AVG(Sales) FROM order_details);
```

```
-- Step 5: Left Join with Sales Target
```

```
SELECT o.Region, SUM(od.Sales) AS TotalSales, st.Target
```

```
FROM orders o
```

```
JOIN order_details od ON o.OrderID = od.OrderID
```

```
LEFT JOIN sales_target st ON o.Region = st.Region
```

```
GROUP BY o.Region;
```

```
-- Step 6: Create RegionalPerformance View
```

```
CREATE VIEW RegionalPerformance AS
```

```
SELECT o.Region, SUM(od.Sales) AS TotalSales, st.Target,
```

```
       (SUM(od.Sales) - st.Target) AS Difference
```

```
FROM orders o
```

```
JOIN order_details od ON o.OrderID = od.OrderID
```

```
LEFT JOIN sales_target st ON o.Region = st.Region
```

```
GROUP BY o.Region;
```

```
-- Step 7: Select from the View
```

```
SELECT * FROM RegionalPerformance
```

```
ORDER BY Difference DESC;
```