Assignment 3: Utilize a subquery to find customers who have placed orders above the average order value, and write a UNION query to combine two SELECT statements with the same number of columns.

Step 1: Create the customers Table.

Step 2: Insert Dummy Data into customers.

Step 3: Create the orders Table.

```sql
CREATE TABLE orders (
    order_id INT PRIMARY KEY AUTO_INCREMENT,
    customer_id INT,
    order_date DATE NOT NULL,
    total_amount DECIMAL(10,2) NOT NULL,
    FOREIGN KEY (customer_id) REFERENCES customers(customer_id) ON DELETE CASCADE
);
```

Step 4: Insert Dummy Data into orders.

```sql
INSERT INTO orders (customer_id, order_date, total_amount) VALUES
(1, '2024-02-01', 150.75),
(2, '2024-02-05', 200.50),
(3, '2024-02-10', 99.99),
(1, '2024-02-15', 300.00),
(4, '2024-02-18', 50.25),
(5, '2024-02-20', 500.00),
(7, '2024-02-22', 75.00);
```

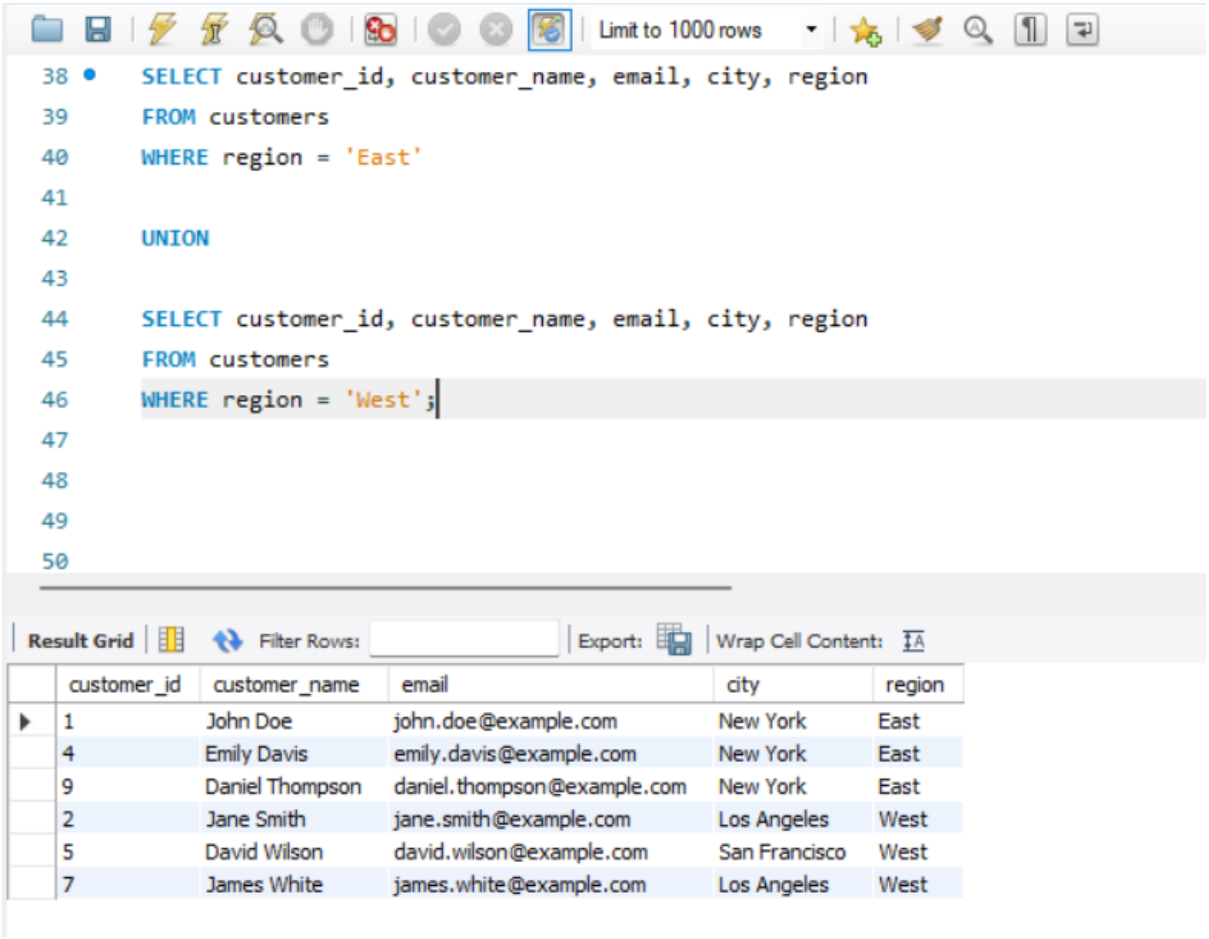
Step 5: Query Customers Who Placed Orders Above the Average Order Value.

```sql
SELECT DISTINCT c.customer_id, c.customer_name, c.email, o.total_amount
FROM customers c
JOIN orders o ON c.customer_id = o.customer_id
WHERE o.total_amount > (SELECT AVG(total_amount) FROM orders);
```

Result Grid

customer_id	customer_name	email	total_amount
2	Jane Smith	jane.smith@example.com	200.50
1	John Doe	john.doe@example.com	300.00
5	David Wilson	david.wilson@example.com	500.00

Step 6: Combine Two SELECT Statements Using UNION.



```
38  SELECT customer_id, customer_name, email, city, region
39  FROM customers
40  WHERE region = 'East'
41
42  UNION
43
44  SELECT customer_id, customer_name, email, city, region
45  FROM customers
46  WHERE region = 'West';
47
48
49
50
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

customer_id	customer_name	email	city	region
1	John Doe	john.doe@example.com	New York	East
4	Emily Davis	emily.davis@example.com	New York	East
9	Daniel Thompson	daniel.thompson@example.com	New York	East
2	Jane Smith	jane.smith@example.com	Los Angeles	West
5	David Wilson	david.wilson@example.com	San Francisco	West
7	James White	james.white@example.com	Los Angeles	West