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.

Utilizes of subquery to find customers who have placed orders above the average order value:

```
mysql> SELECT c.customer_id, c.customer_name
    -> FROM customers c
    -> JOIN (
    ->     SELECT customer_id, AVG(total_amount) AS avg_order_amount
    ->     FROM orders
    ->     GROUP BY customer_id
    -> ) o ON c.customer_id = o.customer_id
    -> WHERE o.avg_order_amount > (
    ->     SELECT AVG(total_amount)
    ->     FROM orders
    -> );
+-------------+---------------+
| customer_id | customer_name |
+-------------+---------------+
|           2 | Akash Patel   |
|           4 | Dharun Sharma |
|           5 | Riyas Khan    |
+-------------+---------------+
3 rows in set (0.00 sec)
```


Union of Customer Information from Customers and Orders Tables:

```
mysql> SELECT customer_id, customer_name
    -> FROM customers
    -> UNION
    -> SELECT o.customer_id,
    -> c.customer_name
    -> FROM orders o
    -> JOIN customers c ON o.customer_id = c.customer_id;
+-------------+-----------------+
| customer_id | customer_name   |
+-------------+-----------------+
|           1 | Arun Kumar      |
|           2 | Akash Patel     |
|           3 | Charles Johnson |
|           4 | Dharun Sharma   |
|           5 | Riyas Khan      |
+-------------+-----------------+
5 rows in set (0.00 sec)
```