

Assignment-3

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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.

Subquery:

- Customers Who Have Placed Orders Above the Average Order Value using Subquery.

```
mysql> SELECT
->     c.customer_id,
->     c.customer_name,
->     o.order_id,
->     o.order_amount
-> FROM customers c
-> INNER JOIN orders o
-> ON c.customer_id = o.customer_id
-> WHERE o.order_amount > (
->     SELECT AVG(order_amount)
->     FROM orders
-> );
```

customer_id	customer_name	order_id	order_amount
2	Bob Smith	3	300.00
4	Diana Prince	4	250.00

2 rows in set (0.00 sec)

UNION Query:

- The first query fetches details of customers from the "West" region.
- The second query fetches details of customers from the "East" region.

```
mysql> SELECT customer_id, customer_name, region
-> FROM customers
-> WHERE region = 'West'
->
-> UNION
->
-> SELECT customer_id, customer_name, region
-> FROM customers
-> WHERE region = 'East';
```

customer_id	customer_name	region
1	Alice Johnson	West
4	Diana Prince	West
6	Fiona Green	West
3	Charlie Brown	East

```
4 rows in set (0.00 sec)
```