Day 10 Assignmnet 2

**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.**

**CREATE TABLE customers (**

**customer\_id INT PRIMARY KEY,**

**customer\_name VARCHAR2(100),**

**email VARCHAR2(100)**

**);**

Insert into customers (customer\_id, customer\_name, email) values

(1, 'Hites', 'hitesh[@example.com](mailto:john@example.com)'),

Insert into customers (customer\_id, customer\_name, email) values

(2, 'Jane Smith', '[jane@example.com](mailto:jane@example.com)'),

Insert into customers (customer\_id, customer\_name, email) values

(3, 'Johnson', 'john[@example.com](mailto:bob@example.com)'),

Insert into customers (customer\_id, customer\_name, email) values

(4, 'Brown', 'brown@example.com'),

Insert into customers (customer\_id, customer\_name, email) values

(5, 'Charlie', '[charlie@example.com](mailto:charlie@example.com)');

Select \* from customer ;

**CREATE TABLE orders (**

**order\_id INT PRIMARY KEY,**

**customer\_id INT,**

**order\_date DATE,**

**order\_amount DECIMAL(10, 2),**

**FOREIGN KEY (customer\_id) REFERENCES customers(customer\_id)**

**);**

Insert into orders (order\_id, customer\_id, order\_date, order\_amount) values

(101, 1, '2023-01-15', 150.00),

Insert into orders (order\_id, customer\_id, order\_date, order\_amount) values

(102, 2, '2023-02-20', 200.50),

Insert into orders (order\_id, customer\_id, order\_date, order\_amount) values

(103, 1, '2023-03-10', 75.25),

Insert into orders (order\_id, customer\_id, order\_date, order\_amount) values

(104, 3, '2023-04-05', 300.00),

Insert into orders (order\_id, customer\_id, order\_date, order\_amount) values

(105, 2, '2023-05-12', 180.75),

Insert into orders (order\_id, customer\_id, order\_date, order\_amount) values

(106, 4, '2023-06-18', 250.00),

Insert into orders (order\_id, customer\_id, order\_date, order\_amount) values

(107, 5, '2023-07-22', 120.00);

Select \* from ordes;

**Select DISTINCT c.customer\_id, c.customer\_name, c.email**

**From customers c JOIN orders o ON c.customer\_id = o.customer\_id**

**WHERE o.order\_amount > (**

**SELECT AVG(order\_amount)**

**From orders**

**)**

**Order by c.customer\_id;**

**—--------------------------------------------------------------**

**-- Customers with high-value orders (above 200)**

**SELECT c.customer\_id, c.customer\_name, 'High Value' AS customer\_type, o.order\_amount**

**FROM customers c**

**JOIN orders o ON c.customer\_id = o.customer\_id**

**WHERE o.order\_amount > 200**

**UNION**

**-- Customers with recent orders (in the last 3 months)**

**SELECT c.customer\_id, c.customer\_name, 'Recent Order' AS customer\_type, o.order\_amount**

**FROM customers c**

**JOIN orders o ON c.customer\_id = o.customer\_id**

**WHERE o.order\_date >= DATE\_SUB(CURDATE(), INTERVAL 3 MONTH)**

**ORDER BY customer\_id, customer\_type;**