```sql
-- Shipping Status Count
SELECT status,
       COUNT(shipping_id) AS total_shipments
FROM Shippings
GROUP BY status;

-- ========================================
-- GROUP BY WITH HAVING
-- ========================================

-- Customers who spent more than 500
SELECT customer_id,
       SUM(amount) AS total_spent
FROM Orders
GROUP BY customer_id
HAVING SUM(amount) > 500;

-- Countries with more than 1 customer
SELECT country,
       COUNT(customer_id) AS total_customers
FROM Customers
GROUP BY country
HAVING COUNT(customer_id) > 1;

-- ========================================
-- JOIN + GROUP BY + HAVING (Professional)
-- ========================================

SELECT C.first_name,
       C.last_name,
       C.country,
       COUNT(O.order_id) AS total_orders,
       SUM(O.amount) AS total_spent,
       AVG(O.amount) AS avg_order_value
FROM Customers C
JOIN Orders O
ON C.customer_id = O.customer_id
GROUP BY C.customer_id, C.first_name, C.last_name, C.country
HAVING SUM(O.amount) > 300
ORDER BY total_spent DESC;

-- ========================================
-- COUNTRY WISE SALES SUMMARY
-- ========================================

SELECT C.country,
       COUNT(DISTINCT C.customer_id) AS total_customers,
       COUNT(O.order_id) AS total_orders,
       SUM(O.amount) AS total_sales,
       AVG(O.amount) AS avg_order_value
```

```sql
-- ========================================
-- INSERT DATA INTO Shippings
-- ========================================

INSERT INTO Shippings VALUES
(1, 'Pending', 2),
(2, 'Pending', 4),
(3, 'Delivered', 3),
(4, 'Pending', 5),
(5, 'Delivered', 1);

-- ========================================
-- AGGREGATE FUNCTIONS
-- ========================================

-- Total Sales
SELECT SUM(amount) AS total_sales
FROM Orders;

-- Total Orders
SELECT COUNT(order_id) AS total_orders
FROM Orders;

-- Average Order Amount
SELECT AVG(amount) AS avg_order_value
FROM Orders;

-- ========================================
-- GROUP BY EXAMPLES
-- ========================================

-- Total Amount Spent by Each Customer
SELECT customer_id,
       SUM(amount) AS total_spent
FROM Orders
GROUP BY customer_id;

-- Number of Orders per Customer
SELECT customer_id,
       COUNT(order_id) AS total_orders
FROM Orders
GROUP BY customer_id;

-- Count Customers by Country
SELECT country,
       COUNT(customer_id) AS total_customers
FROM Customers
GROUP BY country;

-- Shipping Status Count
SELECT status,
       COUNT(shipping_id) AS total_shipments
FROM Shippings
GROUP BY status;
```

Output

Available Tables

```sql
-- ========================================
-- DELETE TABLES IF ALREADY EXIST
-- ========================================

DROP TABLE IF EXISTS Shippings;
DROP TABLE IF EXISTS Orders;
DROP TABLE IF EXISTS Customers;

-- ========================================
-- CREATE TABLES
-- ========================================

CREATE TABLE Customers (
    customer_id INT PRIMARY KEY,
    first_name VARCHAR(50),
    last_name VARCHAR(50),
    age INT,
    country VARCHAR(50)
);

CREATE TABLE Orders (
    order_id INT PRIMARY KEY,
    item VARCHAR(50),
    amount INT,
    customer_id INT
);

CREATE TABLE Shippings (
    shipping_id INT PRIMARY KEY,
    status VARCHAR(50),
    customer INT
);

-- ========================================
-- INSERT DATA INTO Customers
-- ========================================

INSERT INTO Customers VALUES
(1, 'John', 'Doe', 31, 'USA'),
(2, 'Robert', 'Luna', 22, 'USA'),
(3, 'David', 'Robinson', 22, 'UK'),
(4, 'John', 'Reinhardt', 25, 'UK'),
(5, 'Betty', 'Doe', 28, 'UAE');

-- ========================================
-- INSERT DATA INTO Orders
-- ========================================

INSERT INTO Orders VALUES
(1, 'Keyboard', 400, 4),
(2, 'Mouse', 300, 4),
(3, 'Monitor', 12000, 3),
(4, 'Keyboard', 400, 1),
(5, 'Mousepad', 250, 2);
```

Output

Available Tables

```sql
-- ========================================
-- GROUP BY WITH HAVING
-- ========================================

-- Customers who spent more than 500
SELECT customer_id,
       SUM(amount) AS total_spent
FROM Orders
GROUP BY customer_id
HAVING SUM(amount) > 500;

-- Countries with more than 1 customer
SELECT country,
       COUNT(customer_id) AS total_customers
FROM Customers
GROUP BY country
HAVING COUNT(customer_id) > 1;

-- ========================================
-- JOIN + GROUP BY + HAVING (Professional)
-- ========================================

SELECT C.first_name,
       C.last_name,
       C.country,
       COUNT(O.order_id) AS total_orders,
       SUM(O.amount) AS total_spent,
       AVG(O.amount) AS avg_order_value
FROM Customers C
JOIN Orders O
ON C.customer_id = O.customer_id
GROUP BY C.customer_id, C.first_name, C.last_name, C.country
HAVING SUM(O.amount) > 300
ORDER BY total_spent DESC;

-- ========================================
-- COUNTRY WISE SALES SUMMARY
-- ========================================

SELECT C.country,
       COUNT(DISTINCT C.customer_id) AS total_customers,
       COUNT(O.order_id) AS total_orders,
       SUM(O.amount) AS total_sales,
       AVG(O.amount) AS avg_order_value
FROM Customers C
JOIN Orders O
ON C.customer_id = O.customer_id
GROUP BY C.country
HAVING SUM(O.amount) > 500
ORDER BY total_sales DESC;
```

Output Available Tables

Output | Available Tables

total_sales
13350

total_orders
5

avg_order_value
2670

customer_id	total_spent
1	400
2	250
3	12000
4	700

customer_id	total_orders
1	1
2	1
3	1
4	2

country	total_customers

```
ORDER BY total_sales DESC;
```

Output | Available Tables

2	250
3	12000
4	700

customer_id	total_orders
1	1
2	1
3	1
4	2

country	total_customers
UAE	1
UK	2
USA	2

status	total_shipments
Delivered	2
Pending	3

customer_id	total_spent
3	12000
4	700

country	total_customers
UK	2
USA	2

first_name	last_name	country	total_orders	total_spent	avg_order_value
David	Robinson	UK	1	12000	12000
John	Reinhardt	UK	2	700	350
John	Doe	USA	1	400	400

country	total_customers	total_orders	total_sales	avg_order_value
UK	2	3	12700	4233.333333333333
USA	2	2	650	325