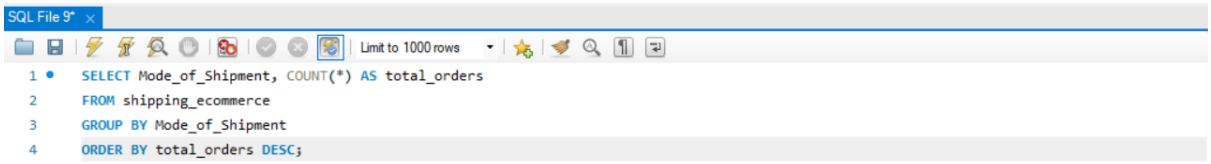
-- 1. Most common mode of shipment

```
SELECT Mode_of_Shipment, COUNT(*) AS total_orders
FROM shipping_ecommerce
GROUP BY Mode_of_Shipment
ORDER BY total_orders DESC;
```



-- 2.Basic analysis using SELECT, WHERE, ORDER BY, GROUP BY

```
SELECT Product_importance, Gender, COUNT(*) AS order_count
FROM shipping_ecommerce
WHERE Discount_offered > 10
GROUP BY Product_importance, Gender
ORDER BY order_count DESC;
```

```sql
-- 2.Basic analysis using SELECT, WHERE, ORDER BY, GROUP BY
SELECT Product_importance, Gender, COUNT(*) AS order_count
FROM shipping_ecommerce
WHERE Discount_offered > 10
GROUP BY Product_importance, Gender
ORDER BY order_count DESC;
```

Product_importance	Gender	order_count
low	F	627
medium	F	599
low	M	597
medium	M	553
high	M	137
high	F	134

-- 3. Total and average weight shipped per warehouse block

SELECT Warehouse_block,

COUNT(*) AS total_orders,

SUM(Weight_in_gms) AS total_weight,

AVG(Weight_in_gms) AS avg_weight

FROM shipping_ecommerce

GROUP BY Warehouse_block

ORDER BY total_weight DESC;

```sql
-- 3. Total and average weight shipped per warehouse block
SELECT Warehouse_block,
       COUNT(*) AS total_orders,
       SUM(Weight_in_gms) AS total_weight,
       AVG(Weight_in_gms) AS avg_weight
FROM shipping_ecommerce
GROUP BY Warehouse_block
ORDER BY total_weight DESC;
```

Warehouse_block	total_orders	total_weight	avg_weight
F	3666	13349327	3641.3876
C	1833	6674560	3641.3312
B	1833	6664240	3635.7010
D	1834	6655305	3628.8468
A	1832	6621909	3614.5791

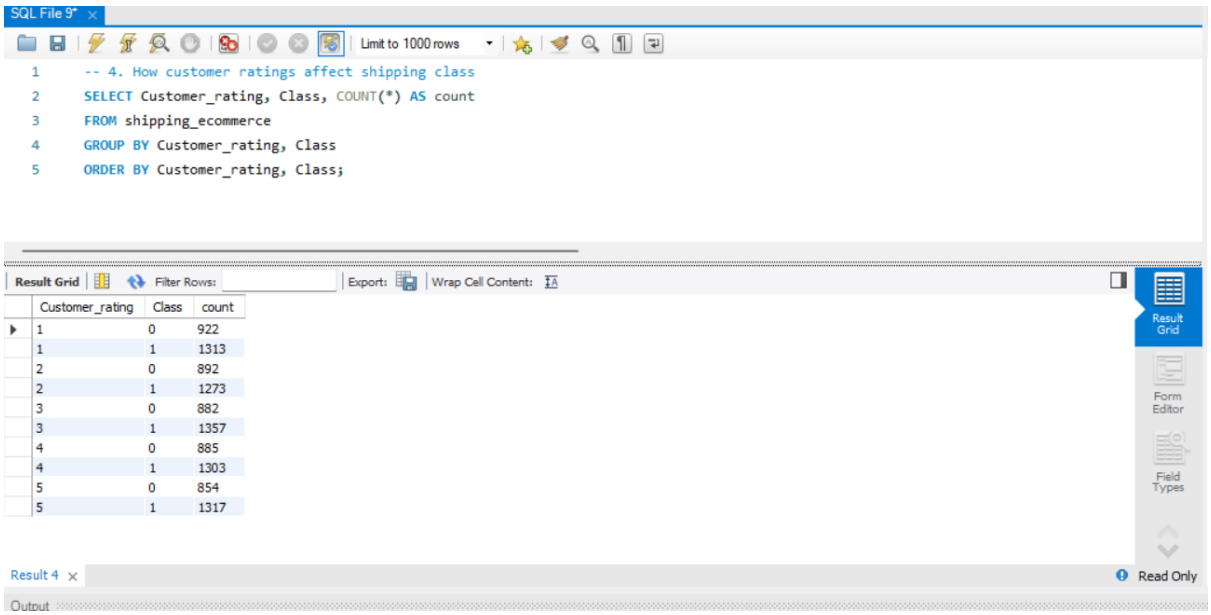
-- 4. How customer ratings affect shipping class

SELECT Customer_rating, Class, COUNT(*) AS count

FROM shipping_ecommerce

GROUP BY Customer_rating, Class

ORDER BY Customer_rating, Class;



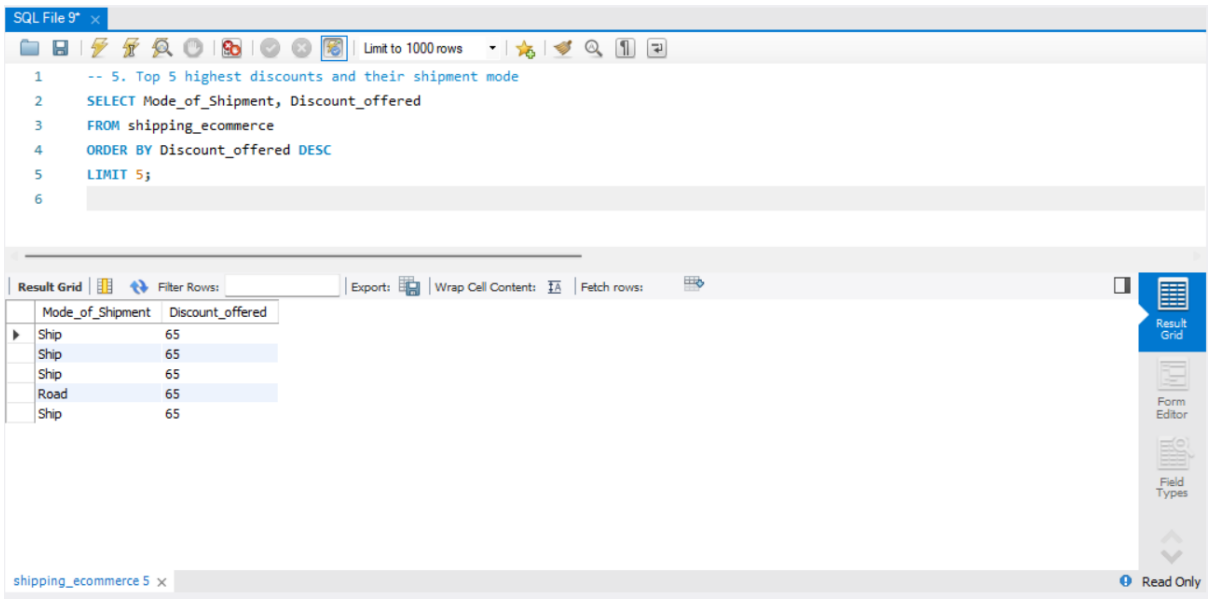
-- 5. Top 5 highest discounts and their shipment mode

SELECT Mode_of_Shipment, Discount_offered

FROM shipping_ecommerce

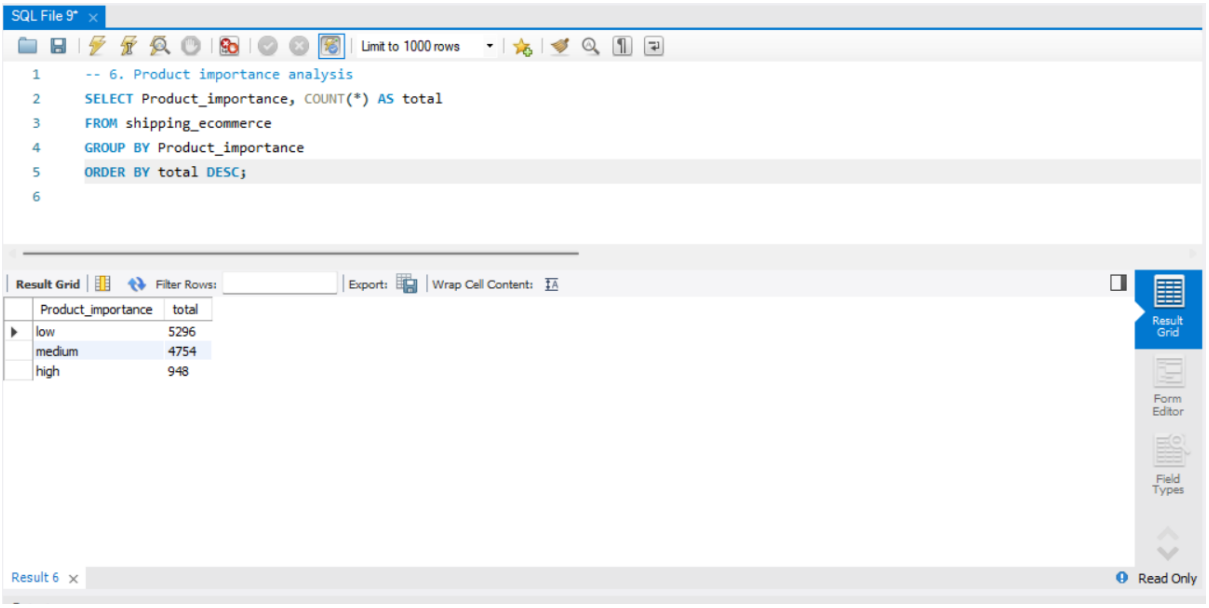
ORDER BY Discount_offered DESC

LIMIT 5;

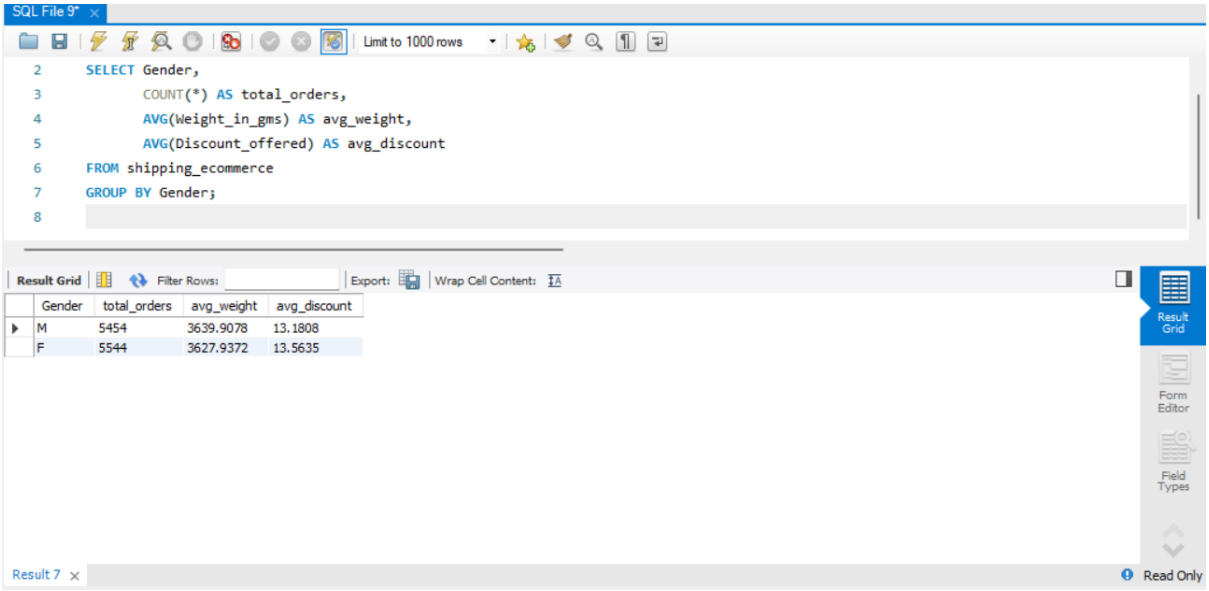


-- 6. Product importance analysis

```
SELECT Product_importance, COUNT(*) AS total
FROM shipping_ecommerce
GROUP BY Product_importance
ORDER BY total DESC;
```




```
-- 7. Gender-wise shipping behavior
SELECT Gender,
    COUNT(*) AS total_orders,
    AVG(Weight_in_gms) AS avg_weight,
    AVG(Discount_offered) AS avg_discount
FROM shipping_ecommerce
GROUP BY Gender;
```



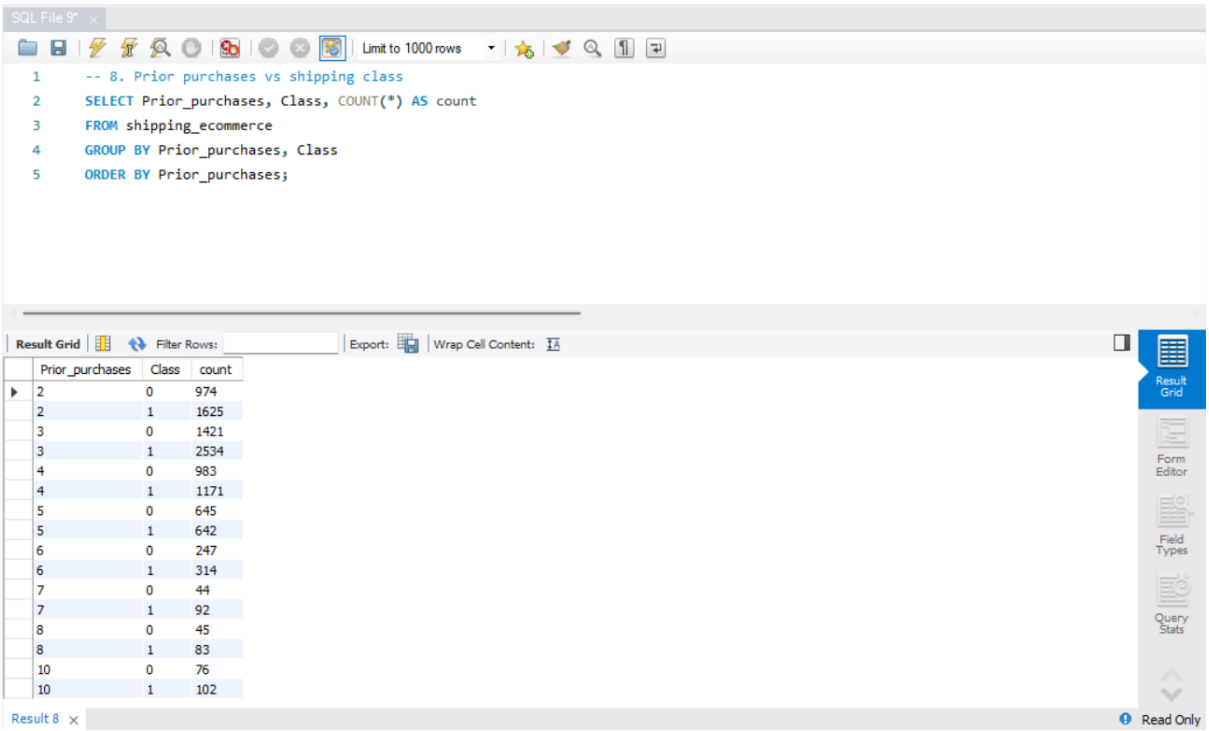
-- 8. Prior purchases vs shipping class

SELECT Prior_purchases, Class, COUNT(*) AS count

FROM shipping_ecommerce

GROUP BY Prior_purchases, Class

ORDER BY Prior_purchases;

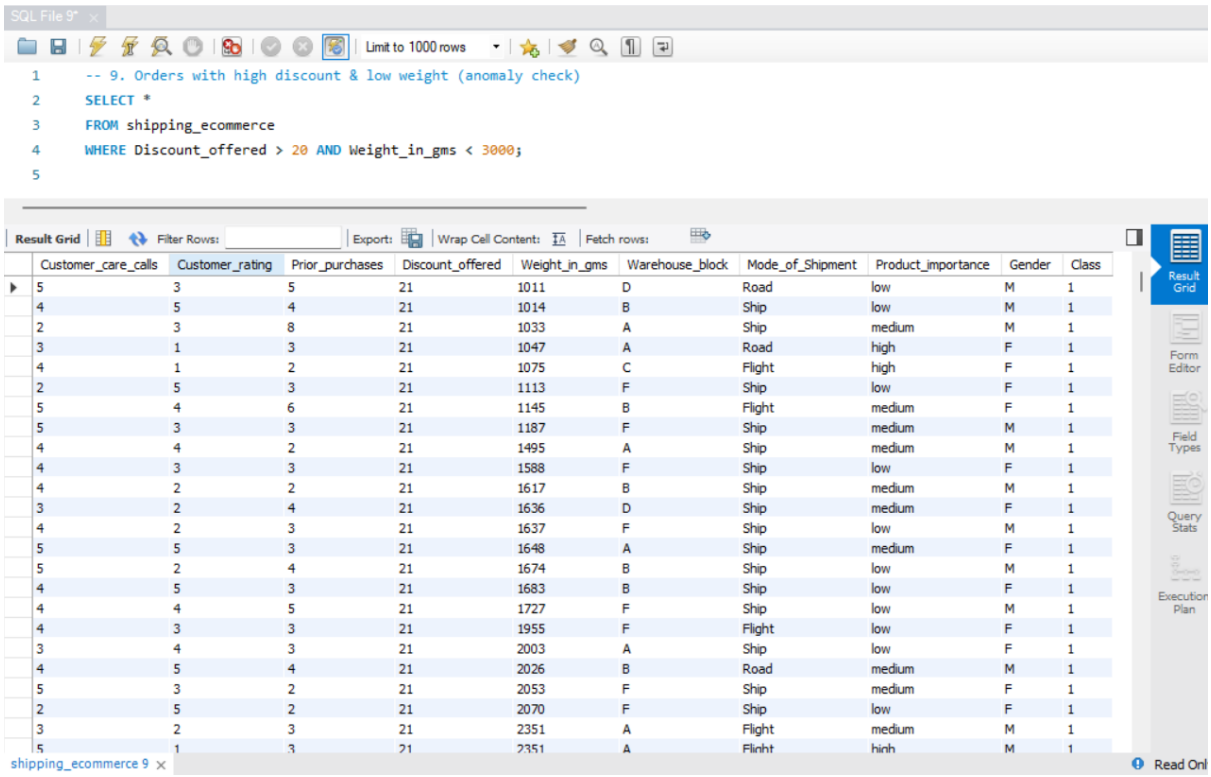


-- 9. Orders with high discount & low weight (anomaly check)

SELECT *

FROM shipping_ecommerce

WHERE Discount_offered > 20 AND Weight_in_gms < 3000;



```
-- 9. Orders with high discount & low weight (anomaly check)
SELECT *
FROM shipping_ecommerce
WHERE Discount_offered > 20 AND Weight_in_gms < 3000;
```

Customer_care_calls	Customer_rating	Prior_purchases	Discount_offered	Weight_in_gms	Warehouse_block	Mode_of_Shipment	Product_importance	Gender	Class
5	3	5	21	1011	D	Road	low	M	1
4	5	4	21	1014	B	Ship	low	M	1
2	3	8	21	1033	A	Ship	medium	M	1
3	1	3	21	1047	A	Road	high	F	1
4	1	2	21	1075	C	Flight	high	F	1
2	5	3	21	1113	F	Ship	low	F	1
5	4	6	21	1145	B	Flight	medium	F	1
5	3	3	21	1187	F	Ship	medium	M	1
4	4	2	21	1495	A	Ship	medium	M	1
4	3	3	21	1588	F	Ship	low	F	1
4	2	2	21	1617	B	Ship	medium	M	1
3	2	4	21	1636	D	Ship	medium	F	1
4	2	3	21	1637	F	Ship	low	M	1
5	5	3	21	1648	A	Ship	medium	F	1
5	2	4	21	1674	B	Ship	low	M	1
4	5	3	21	1683	B	Ship	low	F	1
4	4	5	21	1727	F	Ship	low	M	1
4	3	3	21	1955	F	Flight	low	F	1
3	4	3	21	2003	A	Ship	low	F	1
4	5	4	21	2026	B	Road	medium	M	1
5	3	2	21	2053	F	Ship	medium	F	1
2	5	2	21	2070	F	Ship	low	F	1
3	2	3	21	2351	A	Flight	medium	M	1
5	1	3	21	2351	A	Flight	high	M	1

-- 10. Which block has highest failed deliveries (if Class=0 means failure)

SELECT Warehouse_block, COUNT(*) AS failed_deliveries

FROM shipping_ecommerce

WHERE Class = 0

GROUP BY Warehouse_block

ORDER BY failed_deliveries DESC;

SQL File 9*

Limit to 1000 rows

```sql
-- 10. Which block has highest failed deliveries (if Class=0 means failure)
SELECT Warehouse_block, COUNT(*) AS failed_deliveries
FROM shipping_ecommerce
WHERE Class = 0
GROUP BY Warehouse_block
ORDER BY failed_deliveries DESC;
```

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

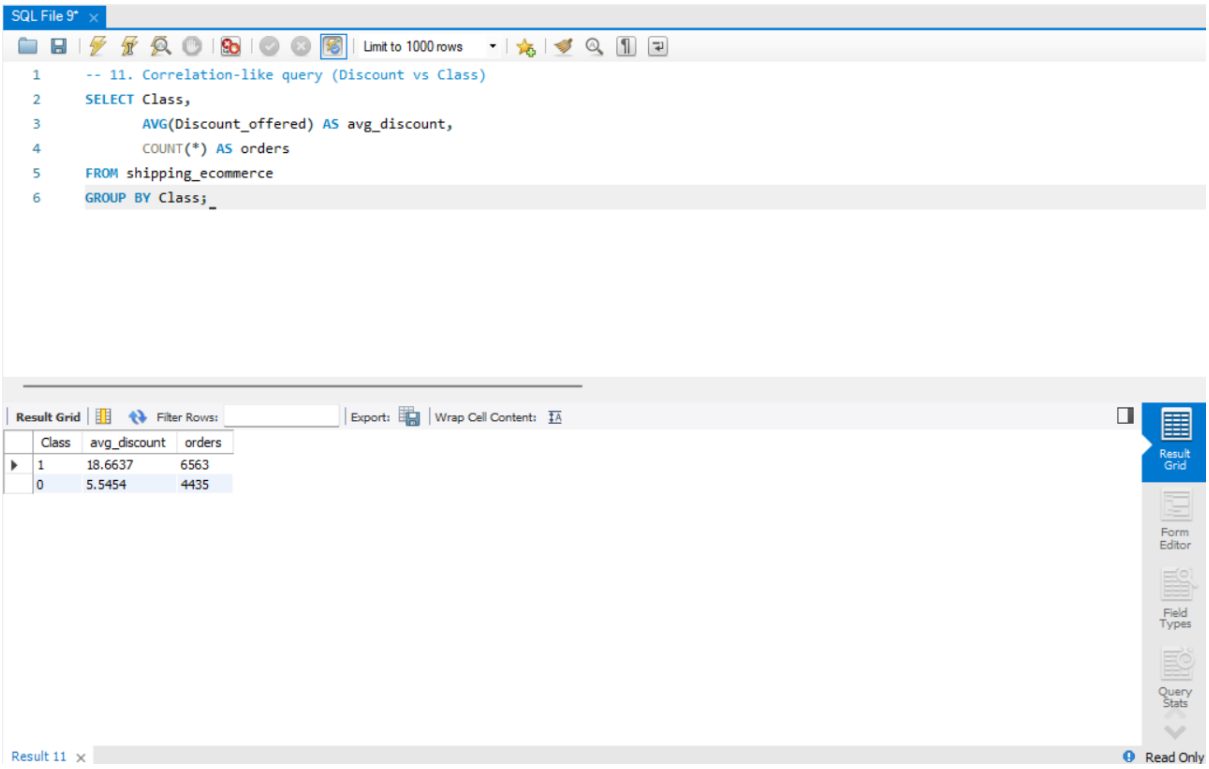
Warehouse_block	failed_deliveries
F	1472
A	757
C	739
D	738
B	729

Result Grid | Form Editor | Field Types | Query Stats

Result 10 | Read Only

-- 11. Correlation-like query (Discount vs Class)

```sql
SELECT Class,
    AVG(Discount_offered) AS avg_discount,
    COUNT(*) AS orders
FROM shipping_ecommerce
GROUP BY Class;
```



-- 13. Aggregate functions

SELECT Gender,

SUM(Weight_in_gms) AS total_weight,

AVG(Discount_offered) AS avg_discount

FROM shipping_ecommerce

GROUP BY Gender;