ETL process

1. Total Revenue from All Orders

SELECT SUM(oi.price \* oi.quantity) AS total\_revenue

FROM order\_items oi;

2. Revenue by Item

SELECT i.item\_name, SUM(oi.price \* oi.quantity) AS total\_revenue

FROM order\_items oi

JOIN items i ON oi.item\_id = i.item\_id

GROUP BY i.item\_name

ORDER BY total\_revenue DESC;

3. Revenue by Payment Method

SELECT p.payment\_method, SUM(p.amount) AS total\_revenue

FROM payments p

JOIN orders o ON p.order\_id = o.order\_id

GROUP BY p.payment\_method;

4. Total Revenue by Date

SELECT DATE(p.paid\_at) AS date, SUM(p.amount) AS daily\_revenue

FROM payments p

GROUP BY DATE(p.paid\_at)

ORDER BY date;

5. Total Orders and Revenue by User

SELECT

u.first\_name,

u.last\_name,

u.phone\_number,

u.email,

COUNT(o.order\_id) AS total\_orders,

SUM(oi.price \* oi.quantity) AS total\_revenue

FROM orders o

JOIN order\_items oi ON o.order\_id = oi.order\_id

JOIN users u ON o.user\_id = u.user\_id

GROUP BY u.user\_id

ORDER BY total\_revenue DESC;

6. Items Ordered by Category

SELECT c.category\_name, i.item\_name, SUM(oi.quantity) AS total\_quantity\_ordered

FROM order\_items oi

JOIN items i ON oi.item\_id = i.item\_id

JOIN categories c ON i.category\_id = c.category\_id

GROUP BY c.category\_name, i.item\_name

ORDER BY total\_quantity\_ordered DESC;

7. Orders by Payment Status

SELECT p.payment\_status, COUNT(o.order\_id) AS total\_orders

FROM payments p

JOIN orders o ON p.order\_id = o.order\_id

GROUP BY p.payment\_status;

8. Users with Most Orders

SELECT

u.first\_name,

u.last\_name,

COUNT(o.order\_id) AS total\_orders

FROM users u

JOIN orders o ON u.user\_id = o.user\_id

GROUP BY u.user\_id

ORDER BY total\_orders DESC

LIMIT 5;

9. Revenue by Category

SELECT c.category\_name, SUM(oi.price \* oi.quantity) AS total\_revenue

FROM order\_items oi

JOIN items i ON oi.item\_id = i.item\_id

JOIN categories c ON i.category\_id = c.category\_id

GROUP BY c.category\_name;

10. Items Purchased in Specific Order

SELECT oi.order\_id, i.item\_name, oi.quantity, oi.price

FROM order\_items oi

JOIN items i ON oi.item\_id = i.item\_id

WHERE oi.order\_id = 1;

11. Customer Details with Orders

SELECT

c.first\_name,

c.last\_name,

c.phone\_number,

c.email,

o.order\_id,

o.delivery\_address,

oi.item\_id,

oi.quantity

FROM orders o

JOIN order\_items oi ON o.order\_id = oi.order\_id

JOIN customers c ON o.user\_id = c.user\_id;

12. Revenue by Customer

SELECT

c.first\_name,

c.last\_name,

c.phone\_number,

c.email,

SUM(oi.price \* oi.quantity) AS total\_revenue

FROM orders o

JOIN order\_items oi ON o.order\_id = oi.order\_id

JOIN customers c ON o.user\_id = c.user\_id

GROUP BY c.user\_id

ORDER BY total\_revenue DESC;