SQL 1*

```sql
-- Total No. Of Users
SELECT COUNT(*) AS total_users FROM users;
```

	total_users
1	200

SQL 1*

```sql
-- Top 10 most expensive products
SELECT name, category, price
FROM products
ORDER BY price DESC
LIMIT 10;
```

	name	category	price
1	Product	Books	495.69
2	Its	Books	491.49
3	Current	Clothing	481.7
4	Cover	Electronics	480.63
5	Because	Electronics	468.13
6	Know	Clothing	464.37
7	Economic	Electronics	462.43
8	Writer	Clothing	460.87
9	Fact	Electronics	451.43
10	Read	Electronics	442.74

SQL 1*

```sql
-- Total number of orders
SELECT COUNT(*) AS total_orders FROM orders;
```

	total_orders
1	1000

SQL 1*

```sql
-- Top 10 users by spending
SELECT u.name, SUM(o.total_amount) AS total_spent
FROM users u
JOIN orders o ON u.user_id = o.user_id
GROUP BY u.user_id
ORDER BY total_spent DESC
LIMIT 10;
```

	name	total_spent
1	Alexander Taylor	21818.81
2	Kyle Gomez	21262.99
3	Kristin Stevens	19514.93
4	Lynn Marshall	17675.15
5	Jamie Martin	16994.37
6	Michael Weaver	16530.89
7	Joshua Hernandez	16112.78
8	Samuel Rodriguez	16103.68
9	Jesse Melendez	15665.23
10	Kelly Wilson	15580.05

SQL 1*

```sql
-- Total revenue generated
SELECT SUM(total_amount) AS total_revenue FROM orders;
```

	total_revenue
1	1542224.65

SQL 1*

```sql
--  Most popular 10 products on the basis of quantity sold
SELECT p.name, SUM(od.quantity) AS total_quantity
FROM order_details od
JOIN products p ON od.product_id = p.product_id
GROUP BY p.name
ORDER BY total_quantity DESC
LIMIT 10;
```

	name	total_quantity
1	Political	137
2	Close	133
3	Strong	129
4	Prove	114
5	Cover	110
6	Which	81
7	President	80
8	Only	80
9	Various	79
10	Understand	79

SQL 1*

```sql
-- Revenue by product category
SELECT p.category, SUM(od.price * od.quantity) AS category_revenue
FROM order_details od
JOIN products p ON od.product_id = p.product_id
GROUP BY p.category
ORDER BY category_revenue DESC;
```

	category	category_revenue
1	Home	408597.43
2	Books	390356.95
3	Electronics	331959.58
4	Clothing	300587.82
5	Toys	110722.87

SQL 1*

```sql
--  Monthly order count
SELECT strftime('%Y-%m', order_date) AS month, COUNT(*) AS orders
FROM orders
GROUP BY month
ORDER BY month;
```

	month	orders
1	2023-07	1
2	2023-08	6
3	2023-09	8
4	2023-10	12
5	2023-11	12
6	2023-12	19
7	2024-01	12
8	2024-02	25
9	2024-03	23
10	2024-04	19
11	2024-05	28
12	2024-06	46
13	2024-07	27
14	2024-08	39
15	2024-09	47
16	2024-10	45
17	2024-11	60
18	2024-12	52
19	2025-01	75
20	2025-02	66

SQL 1*

```sql
--  Monthly order count
SELECT strftime('%Y-%m', order_date) AS month, COUNT(*) AS orders
FROM orders
GROUP BY month
ORDER BY month;
```

	month	orders
4	2023-10	12
5	2023-11	12
6	2023-12	19
7	2024-01	12
8	2024-02	25
9	2024-03	23
10	2024-04	19
11	2024-05	28
12	2024-06	46
13	2024-07	27
14	2024-08	39
15	2024-09	47
16	2024-10	45
17	2024-11	60
18	2024-12	52
19	2025-01	75
20	2025-02	66
21	2025-03	90
22	2025-04	143
23	2025-05	145

SQL 1*

```sql
-- Users who placed more than 10 orders
SELECT u.name, COUNT(o.order_id) AS order_count
FROM users u
JOIN orders o ON u.user_id = o.user_id
GROUP BY u.user_id
HAVING order_count > 10
ORDER BY order_count DESC;
```

	name	order_count
1	Kristin Stevens	12
2	Dustin Chapman	11
3	Alexander Taylor	11

SQL 1*

```sql
-- Create a view for user order summary
CREATE VIEW user_order_summary AS
SELECT u.user_id, u.name, COUNT(o.order_id) AS total_orders, SUM(o.total_amount) AS total_spent
FROM users u
JOIN orders o ON u.user_id = o.user_id
GROUP BY u.user_id;
```

SQL 1*

```sql
-- VIEW
SELECT * FROM user_order_summary ORDER BY total_spent DESC LIMIT 5;
```

	user_id	name	total_orders	total_spent
1	114	Alexander Taylor	11	21818.81
2	168	Kyle Gomez	9	21262.99
3	173	Kristin Stevens	12	19514.93
4	191	Lynn Marshall	8	17675.15
5	22	Jamie Martin	8	16994.37