```sql
SELECT * FROM shopping_db.shopping_trends_updated;
-- Step a: SELECT, WHERE, ORDER BY, GROUP BY
SELECT
    Category,
    COUNT(*) AS TotalSales,
    AVG(`Purchase Amount (USD)`) AS AvgPurchase
FROM shopping_trends_updated
WHERE `Purchase Amount (USD)` > 50
GROUP BY Category
ORDER BY AvgPurchase DESC;
```

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

| Category | TotalSales | AvgPurchase |
|---|---|---|
| Outerwear | 177 | 76.4011 |
| Clothing | 1074 | 75.8836 |
| Footwear | 372 | 75.7554 |
| Accessories | 763 | 75.3670 |

```sql
-- Inner Join
SELECT
    ci.`Customer ID`,
    ci.Gender,
    pi.`Item Purchased`,
    pi.Category
FROM shopping_trends_updated ci
INNER JOIN shopping_trends_updated pi ON ci.`Customer ID` = pi.`Customer ID`;

```

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

| Customer ID | Gender | Item Purchased | Category |
|---|---|---|---|
| 1 | Male | Blouse | Clothing |
| 2 | Male | Sweater | Clothing |
| 3 | Male | Jeans | Clothing |
| 4 | Male | Sandals | Footwear |
| 5 | Male | Blouse | Clothing |
| 6 | Male | Sneakers | Footwear |
| 7 | Male | Shirt | Clothing |
| 8 | Male | Shorts | Clothing |
| 9 | Male | Coat | Outerwear |

```sql
-- Left Join
SELECT
    ci.`Customer ID`,
    ci.Gender,
    pi.`Item Purchased`,
    pi.Category
FROM shopping_trends_updated ci
LEFT JOIN shopping_trends_updated pi ON ci.`Customer ID` = pi.`Customer ID`;
```

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

| Customer ID | Gender | Item Purchased | Category |
|---|---|---|---|
| 1 | Male | Blouse | Clothing |
| 2 | Male | Sweater | Clothing |
| 3 | Male | Jeans | Clothing |
| 4 | Male | Sandals | Footwear |
| 5 | Male | Blouse | Clothing |
| 6 | Male | Sneakers | Footwear |
| 7 | Male | Shirt | Clothing |
| 8 | Male | Shorts | Clothing |
| 9 | Male | Coat | Outerwear |

```sql
-- Right Join
SELECT
    pi.`Customer ID`,
    ci.Gender,
    pi.`Item Purchased`,
    pi.Category
FROM shopping_trends_updated ci
RIGHT JOIN shopping_trends_updated pi ON ci.`Customer ID` = pi.`Customer ID`;
```

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

| Customer ID | Gender | Item Purchased | Category |
|---|---|---|---|
| 1 | Male | Blouse | Clothing |
| 2 | Male | Sweater | Clothing |
| 3 | Male | Jeans | Clothing |
| 4 | Male | Sandals | Footwear |
| 5 | Male | Blouse | Clothing |
| 6 | Male | Sneakers | Footwear |

```sql
-- Step c: Subquery for customers spending more than average
SELECT `Customer ID`, `Purchase Amount (USD)`
FROM shopping_trends_updated
WHERE `Purchase Amount (USD)` > (
    SELECT AVG(`Purchase Amount (USD)`)
    FROM shopping_trends_updated
);
```

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

| Customer ID | Purchase Amount (USD) |
|---|---|
| 2 | 64 |
| 3 | 73 |
| 4 | 90 |
| 7 | 85 |
| 9 | 97 |
| 12 | 68 |
| 13 | 72 |
| 16 | 81 |
| 20 | 90 |

```sql
SELECT
    Category,
    SUM(`Purchase Amount (USD)`) AS TotalRevenue,
    AVG(`Purchase Amount (USD)`) AS AverageSpent
FROM shopping_trends_updated
GROUP BY Category;
```

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

| Category | TotalRevenue | AverageSpent |
|---|---|---|
| Clothing | 104264 | 60.0253 |
| Footwear | 36093 | 60.2554 |
| Outerwear | 18524 | 57.1728 |
| Accessories | 74200 | 59.8387 |

```sql
-- Step e: View for analysis
CREATE VIEW CategorySalesSummary AS
SELECT
    Category,
    COUNT(*) AS ItemsSold,
    SUM(`Purchase Amount (USD)`) AS TotalSales
FROM shopping_trends_updated
GROUP BY Category;
```

Result Grid | Filter Rows: | Expo

| Category | ItemsSold | TotalSales |
|---|---|---|
| Clothing | 1737 | 104264 |
| Footwear | 599 | 36093 |
| Outerwear | 324 | 18524 |
| Accessories | 1240 | 74200 |