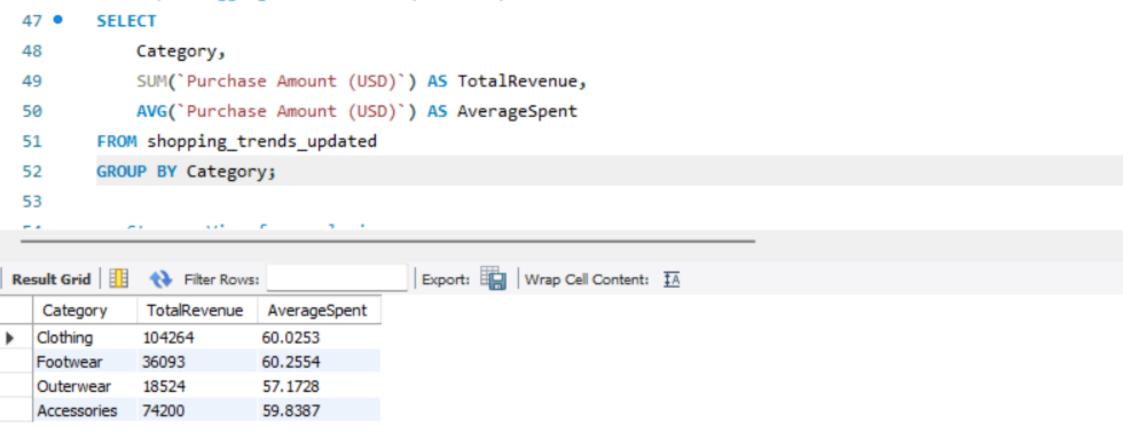
```
SELECT * FROM shopping db.shopping trends updated;
         -- Step a: SELECT, WHERE, ORDER BY, GROUP BY
         SELECT
             Category,
             COUNT(*) AS TotalSales,
             AVG(`Purchase Amount (USD)`) AS AvgPurchase
  6
         FROM shopping_trends_updated
  8
         WHERE `Purchase Amount (USD)` > 50
         GROUP BY Category
         ORDER BY AvgPurchase DESC;
 10
Result Grid
                                           Export: Wrap Cell Content: IA
             Filter Rows:
              TotalSales
                        AvgPurchase
   Category
  Outerwear
                        76.4011
             177
  Clothing
             1074
                       75.8836
             372
                       75.7554
  Footwear
             763
                        75.3670
  Accessories
```

```
-- Inner Join
17
18 •
         SELECT
19
              ci.`Customer ID`,
 20
              ci.Gender,
              pi. `Item Purchased`,
 21
 22
              pi.Category
 23
         FROM shopping trends updated ci
         INNER JOIN shopping trends updated pi ON ci.`Customer ID` = pi.`Customer ID`;
 24
 25
                                                                                              ---
Result Grid
               Filter Rows:
                                               Export: Wrap Cell Content: A Fetch rows:
                        Item
   Customer ID
                Gender
                                        Category
                        Purchased
                                       Clothing
               Male
                        Blouse
                        Sweater
                                       Clothing
               Male
  3
               Male
                        Jeans
                                       Clothing
               Male
                        Sandals
                                       Footwear
  4
   5
                        Blouse
                                       Clothing
               Male
               Male
                        Sneakers
                                       Footwear
  6
               Male
                        Shirt
                                       Clothing
                        Shorts
  8
               Male
                                       Clothing
  9
               Male
                        Coat
                                       Outerwear
```

```
-- Left Join
 26
 27 •
         SELECT
 28
              ci.`Customer ID`,
 29
              ci.Gender,
              pi. `Item Purchased`,
 30
              pi.Category
 31
 32
         FROM shopping trends updated ci
         LEFT JOIN shopping trends updated pi ON ci. Customer ID = pi. Customer ID;
 33
 34
                                                                                              ---
Result Grid
              Filter Rows:
                                               Export: Wrap Cell Content: A Fetch rows:
                        Item
   Customer ID
                Gender
                                        Category
                        Purchased
               Male
                        Blouse
                                       Clothing
               Male
                        Sweater
                                       Clothing
               Male
                                       Clothing
                        Jeans
               Male
                        Sandals
                                       Footwear
   4
                        Blouse
                                       Clothing
               Male
                        Sneakers
               Male
                                       Footwear
   6
               Male
                        Shirt
                                       Clothing
               Male
                        Shorts
                                       Clothing
   9
               Male
                        Coat
                                       Outerwear
```

```
-- Right Join
 35
 36 •
         SELECT
 37
             pi. Customer ID,
 38
             ci.Gender,
             pi.`Item Purchased`,
 39
 40
             pi.Category
 41
         FROM shopping trends updated ci
         RIGHT JOIN shopping_trends_updated pi ON ci.`Customer ID` = pi.`Customer ID`;
 42
 43
Result Grid
                                             Export: Wrap Cell Content: A Fetch rows:
              Filter Rows:
                       Item
   Customer ID
               Gender
                                      Category
                       Purchased
              Male
                       Blouse
                                      Clothing
              Male
                       Sweater
                                      Clothing
              Male
                                      Clothing
                       Jeans
  4
              Male
                       Sandals
                                     Footwear
                       Blouse
                                      Clothing
              Male
              Male
                       Sneakers
                                      Footwear
```

```
-- Step c: Subquery for customers spending more than average
 38
 39 •
         SELECT `Customer ID`, `Purchase Amount (USD)`
 40
         FROM shopping_trends_updated
        WHERE 'Purchase Amount (USD)' > (
41
             SELECT AVG(`Purchase Amount (USD)`)
42
             FROM shopping_trends_updated
43
 44
         );
                                                                                      -0
Result Grid
                                           Export: Wrap Cell Content: A Fetch rows:
             Filter Rows:
              Purchase Amount
   Customer ID
               (USD)
              64
              73
              90
              85
  9
              97
  12
              68
  13
  16
              81
  20
              90
```



```
-- Step e: View for analysis
54
      CREATE VIEW CategorySalesSummary AS
55 •
56
       SELECT
57
           Category,
           COUNT(*) AS ItemsSold,
58
           SUM(`Purchase Amount (USD)`) AS TotalSales
59
60
       FROM shopping trends updated
61
       GROUP BY Category;
```