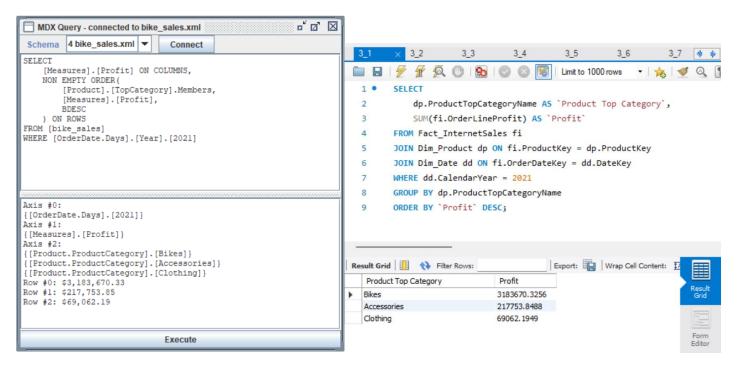
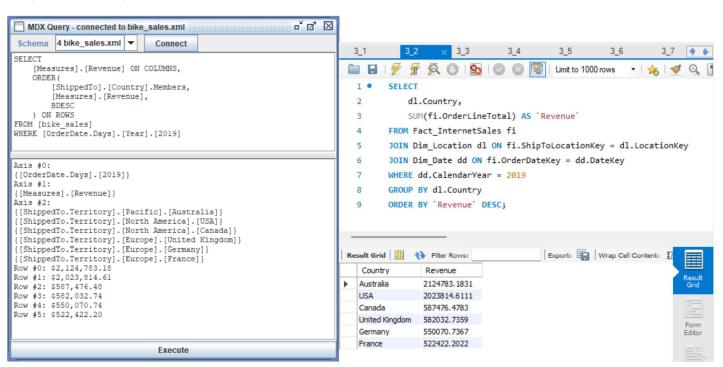
# BI Assignment 3 - Task 3

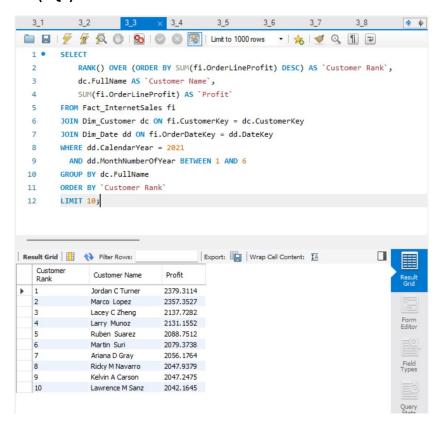
## 3.1 (MDX and SQL)



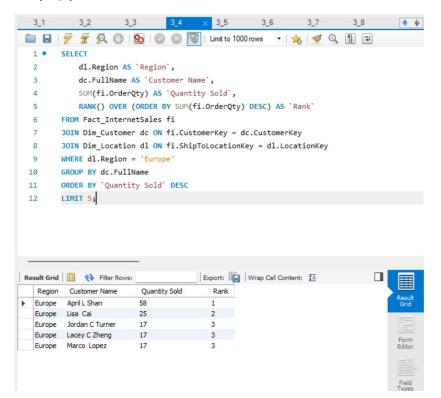
#### 3.2 (MDX and SQL)



### 3.3 (SQL)

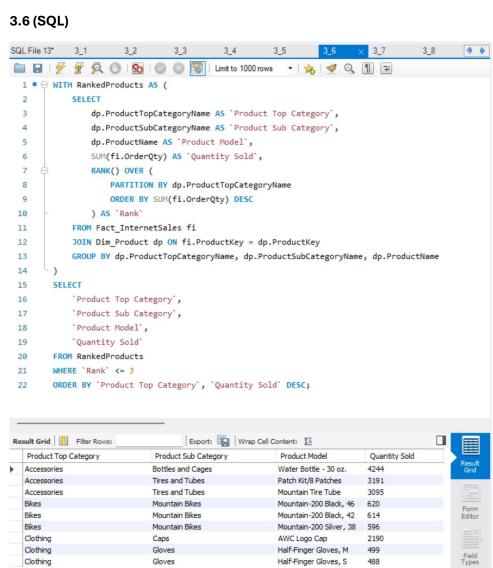


#### 3.4 (SQL)

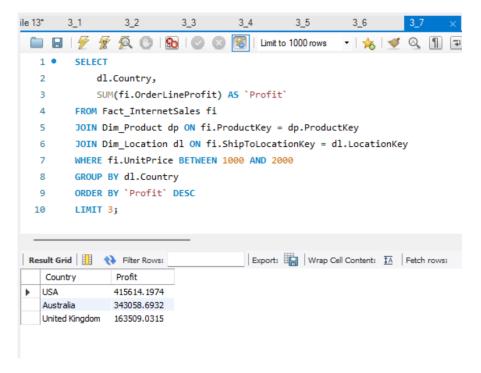


#### 3.5 (SQL)

```
3_1 3_2 3_3 3_4
                                        3_5 × 3_6 3_7 3_8 ♦
🚞 🖫 | 🦩 🖟 👰 🕛 | 🚱 | 💿 🔞 🔞 | Limit to 1000 rows 🔻 | 🌟 | 🥩 🝳 🜗 🖃
 1 •
       SELECT
           dl.Country AS `Country`,
           dd.CalendarYear AS `Year`,
 3
 4
           dd.EnglishMonthName AS `Month`,
           SUM(fi.OrderLineShippingCost) AS `Shipping Costs`
 5
 6
       FROM Fact InternetSales fi
       JOIN Dim Location dl ON fi.ShipToLocationKey = dl.LocationKey
 7
       JOIN Dim_Date dd ON fi.OrderDateKey = dd.DateKey
 8
       WHERE dl.Country = 'United Kingdom'
 9
 10
        AND dd.CalendarYear = 2020
         AND fi.ShipMethod = 'Cargo International'
11
         AND dd.MonthNumberOfYear BETWEEN 1 AND 6
12
       GROUP BY dl.Country, dd.CalendarYear, dd.MonthNumberOfYear, dd.EnglishMonthName
13
       ORDER BY dd.MonthNumberOfYear;
14
Export: Wrap Cell Content: IA
              Year Month
  Country
                            Shipping Costs
  United Kingdom
              2020 January
                            195,0000
  United Kingdom
              2020
                            390.0000
                    February
  United Kingdom
              2020
                   March
                            312.0000
  United Kingdom
                            351,0000
              2020 April
  United Kingdom
              2020
                    May
                            332,0000
 United Kingdom 2020 June
                            1473.0000
```



#### 3.7 (SQL)



#### 3.8 (MDX and SQL)

```
o 0 X
MDX Query - connected to bike_sales.xml
  Schema 4 bike_sales.xml ▼
                                                  Connect
        [Measures].[TaxAmount] ON COLUMNS.
         Measures].[laxAmount] ON COLOMNS,
([(OrderDate.Days].[2021].[1],[ShippedTo].[Country].s[France]),
([OrderDate.Days].[2021].[1],[ShippedTo].[Country].s[Germany]),
([OrderDate.Days].[2021].[2],[ShippedTo].[Country].s[France]),
([OrderDate.Days].[2021].[2],[ShippedTo].[Country].s[Germany]),
           ([OrderDate.Days].[2021].[3],[ShippedTo].[Country].s[France]),
([OrderDate.Days].[2021].[3],[ShippedTo].[Country].s[Germany]),
           ([OrderDate.Days].[2021].[4],[ShippedTo].[Country].&[France]),
([OrderDate.Days].[2021].[4],[ShippedTo].[Country].&[Germany]),
           ([OrderDate.Days].[2021].[5],[ShippedTo].[Country].s[France]),
([OrderDate.Days].[2021].[5],[ShippedTo].[Country].s[Germany]),
([OrderDate.Days].[2021].[6],[ShippedTo].[Country].s[France]),
            ([OrderDate.Days].[2021].[6],[ShippedTo].[Country].&[Germany])} ON ROWS
FROM [bike_sales]
Axis #0:
 [[Measures].[TaxAmount]]
Axis #2:
 {[OrderDate.Days].[2021].[1], [ShippedTo.Territory].[Europe].[France]}
  [OrderDate.Days].[2021].[1],
[OrderDate.Days].[2021].[2],
                                                     [ShippedTo.Territory].[Europe].[Germany]}
[ShippedTo.Territory].[Europe].[France]}
  [OrderDate.Days].[2021].[2],
[OrderDate.Days].[2021].[3],
                                                      [ShippedTo.Territory].[Europe].[Germany]}
[ShippedTo.Territory].[Europe].[France]}
 [[OrderDate.Days].[2021].[3],
[[OrderDate.Days].[2021].[4],
[[OrderDate.Days].[2021].[4],
                                                      [ShippedTo.Territory].[Europe].[Germany]}
                                                      [ShippedTo.Territory].[Europe].[France]}
                                                      [ShippedTo.Territory].[Europe].[Germany]}
  [OrderDate.Days].[2021].[5], [ShippedTo.Territory].[Europe].[France]]
[OrderDate.Days].[2021].[5], [ShippedTo.Territory].[Europe].[Germany]
[OrderDate.Days].[2021].[6], [ShippedTo.Territory].[Europe].[France]]
                                                     [ShippedTo.Territory].[Europe].[France]}
[ShippedTo.Territory].[Europe].[Germany]}
 [[OrderDate.Days].[2021].[6], [ShippedTo.Territory].[Europe].[Germany]}
 Row #0: $28,179.94
Row #1: $16,455.83
Row #2: $19,852.65
Row #3: $17,006.64
Row #4: $29,396.27
Row #5: $21,615.93
Row #6: $25,516.98
Row #7: $21,735.85
Row #8: $33,606.18
Row #9: $23,530.64
Row #10: $563.21
Row #11: $380.12
                                                                    Execute
```

