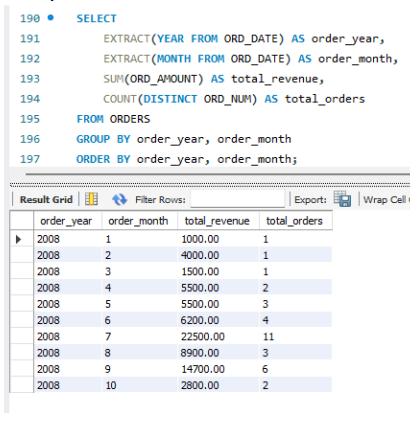
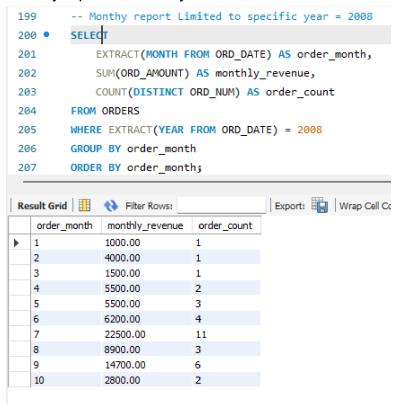
# Task 6 - Sales Analysis

# Objective - Sales trend analysis using Aggregation

1. Monthly Revenue and Order Value



### 2. Monthly report limited to year - 2008



#### 3. Orders of last 6 months

```
-- Last Six months of orders
209
210 •
         SELECT
             YEAR(ORD_DATE) AS order_year,
211
             MONTH(ORD DATE) AS order month,
212
             SUM(ORD_AMOUNT) AS total_revenue,
213
             COUNT(DISTINCT ORD_NUM) AS total_orders
214
215
         FROM ORDERS
         WHERE ORD DATE >= CURDATE() - INTERVAL 6 MONTH
216
         GROUP BY YEAR(ORD_DATE), MONTH(ORD_DATE)
217
         ORDER BY order_year DESC, order_month DESC;
218
219
                                          Export: Wrap Cell Content: IA
Result Grid
             Filter Rows:
   order year
             order month
                          total_revenue
                                       total orders
```

### 4. Top 3 Revenue Months across all time

```
220
        -- Top 3 revenue months across all time
221 •
        SELECT
222
            EXTRACT(YEAR FROM ORD_DATE) AS order_year,
223
            EXTRACT(MONTH FROM ORD_DATE) AS order_month,
            SUM(ORD_AMOUNT) AS total_revenue
224
225
        FROM ORDERS
        GROUP BY order_year, order_month
226
        ORDER BY total_revenue DESC
227
228
        LIMIT 3;
                                       Export: Wrap Cell Co
order_month
   order_year
                       total_revenue
 2008
            7
                       22500.00
  2008
            9
                       14700.00
  2008
            8
                       8900.00
```

## 5. View for monthly salary

```
-- view for monthy salary
230
         CREATE OR REPLACE VIEW MonthlyOrderSummary AS
231 •
         SELECT
232
233
             EXTRACT(YEAR FROM ORD_DATE) AS order_year,
234
             EXTRACT(MONTH FROM ORD_DATE) AS order_month,
             SUM(ORD_AMOUNT) AS total_revenue,
235
             COUNT(DISTINCT ORD_NUM) AS total_orders
236
         FROM ORDERS
237
         GROUP BY order year, order month
238
         ORDER BY order_year, order_month;
239
240
         Select * from MonthlyOrderSummary;
241 •
242
                                          Export: Wrap Cell Co
order_year
             order_month
                                      total_orders
                         total_revenue
  2008
                         1000.00
                                      1
             2
  2008
                         4000.00
                                      1
  2008
             3
                         1500.00
                                      1
             4
                                     2
  2008
                         5500.00
  2008
             5
                         5500.00
                                      3
                                      4
  2008
             6
                         6200.00
  2008
             7
                         22500.00
                                      11
  2008
             8
                         8900.00
                                      3
             9
  2008
                         14700.00
                                      6
  2008
             10
                         2800.00
                                     2
```