1.

SELECT

Location\_Name, Time\_Year, Time\_Month

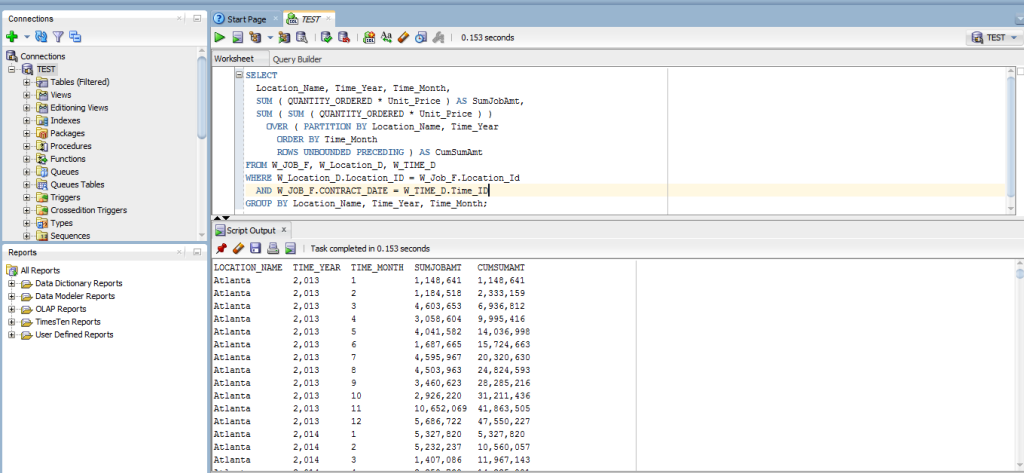
, SUM ( QUANTITY\_ORDERED \* Unit\_Price ) AS SumJobAmt,

SUM ( SUM ( QUANTITY\_ORDERED \* Unit\_Price ) ) OVER ( PARTITION BY Location\_Name, Time\_Year

ORDER BY Time\_Month ROWS UNBOUNDED PRECEDING ) AS CumSumAmt FROM W\_JOB\_F, W\_Location\_D, W\_TIME\_D

WHERE W\_Location\_D.Location\_ID = W\_Job\_F.Location\_Id AND W\_JOB\_F.CONTRACT\_DATE = W\_TIME\_D.Time\_ID

GROUP BY Location\_Name, Time\_Year, Time\_Month;



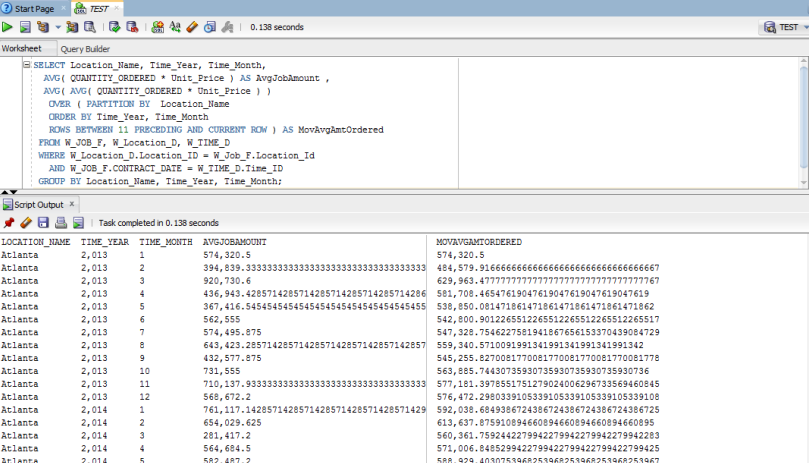
2.

SELECT Location\_Name, Time\_Year, Time\_Month, AVG( QUANTITY\_ORDERED \* Unit\_Price ) AS AvgJobAmount , AVG( AVG( QUANTITY\_ORDERED \* Unit\_Price ) ) OVER ( PARTITION BY Location\_Name

ORDER BY Time\_Year, Time\_Month ROWS BETWEEN 11 PRECEDING AND CURRENT ROW ) AS MovAvgAmtOrdered FROM W\_JOB\_F, W\_Location\_D, W\_TIME\_D

WHERE W\_Location\_D.Location\_ID = W\_Job\_F.Location\_Id AND W\_JOB\_F.CONTRACT\_DATE = W\_TIME\_D.Time\_ID

GROUP BY Location\_Name, Time\_Year, Time\_Month;

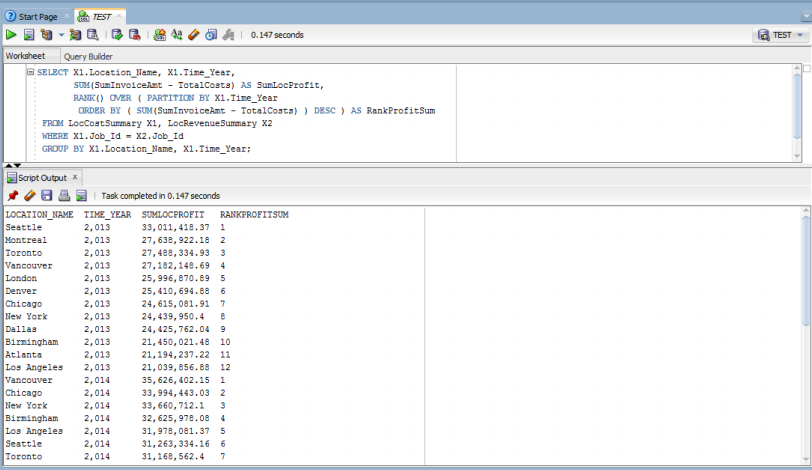


3.

SELECT X1.Location\_Name, X1.Time\_Year, SUM(SumInvoiceAmt - TotalCosts) AS SumLocProfit, RANK() OVER ( PARTITION BY X1.Time\_Year ORDER BY ( SUM(SumInvoiceAmt - TotalCosts) ) DESC ) AS RankProfitSum

FROM LocCostSummary X1, LocRevenueSummary X2 WHERE X1.Job\_Id = X2.Job\_Id

GROUP BY X1.Location\_Name, X1.Time\_Year;



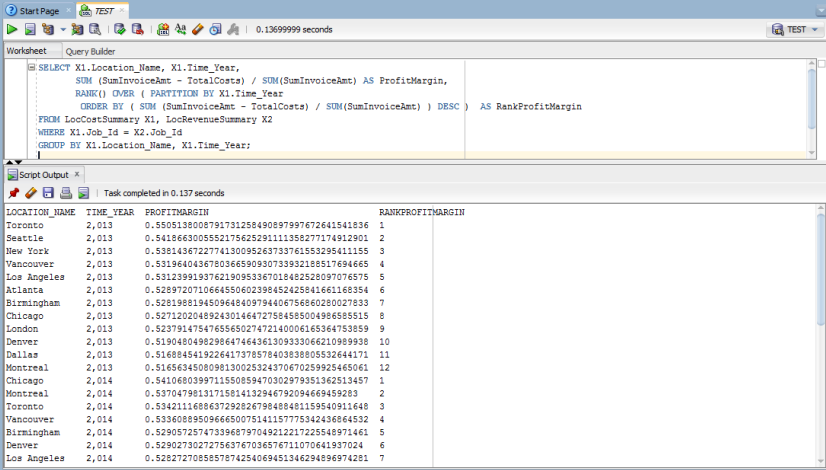
4.

SELECT X1.Location\_Name, X1.Time\_Year, SUM (SumInvoiceAmt - TotalCosts) / SUM(SumInvoiceAmt) AS ProfitMargin, RANK() OVER ( PARTITION BY X1.Time\_Year

ORDER BY ( SUM (SumInvoiceAmt - TotalCosts) / SUM(SumInvoiceAmt) ) DESC ) AS RankProfitMargin

FROM LocCostSummary X1, LocRevenueSummary X2 WHERE X1.Job\_Id = X2.Job\_Id

GROUP BY X1.Location\_Name, X1.Time\_Year;



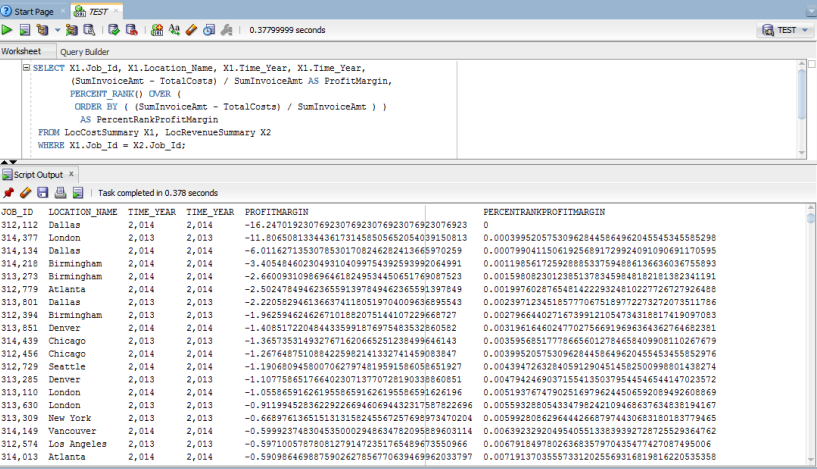
5.

SELECT X1.Job\_Id, X1.Location\_Name, X1.Time\_Year, X1.Time\_Year,

(SumInvoiceAmt - TotalCosts) / SumInvoiceAmt AS ProfitMargin, PERCENT\_RANK() OVER ( ORDER BY ( (SumInvoiceAmt - TotalCosts) / SumInvoiceAmt ) ) AS PercentRankProfitMargin

FROM LocCostSummary X1, LocRevenueSummary X2

WHERE X1.Job\_Id = X2.Job\_Id;



6.

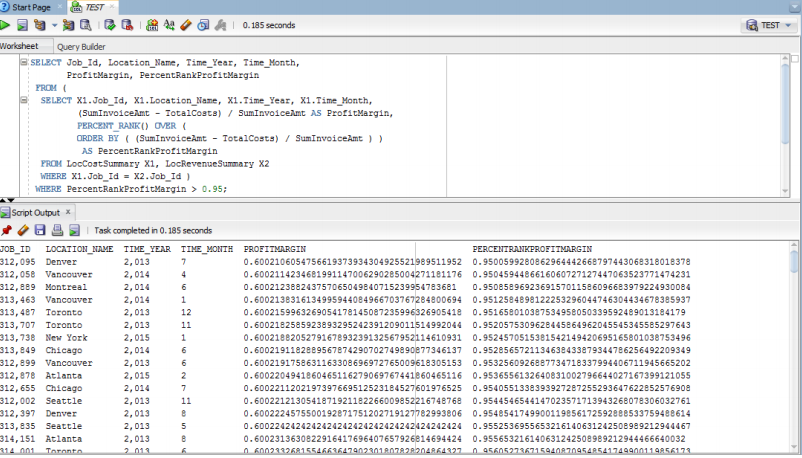
SELECT Job\_Id, Location\_Name, Time\_Year, Time\_Month,

ProfitMargin, PercentRankProfitMargin

FROM ( SELECT X1.Job\_Id, X1.Location\_Name, X1.Time\_Year, X1.Time\_Month, (SumInvoiceAmt - TotalCosts) / SumInvoiceAmt AS ProfitMargin, PERCENT\_RANK() OVER ( ORDER BY ( (SumInvoiceAmt - TotalCosts) / SumInvoiceAmt ) ) AS PercentRankProfitMargin

FROM LocCostSummary X1, LocRevenueSummary X2 WHERE X1.Job\_Id = X2.Job\_Id )

WHERE PercentRankProfitMargin > 0.95;

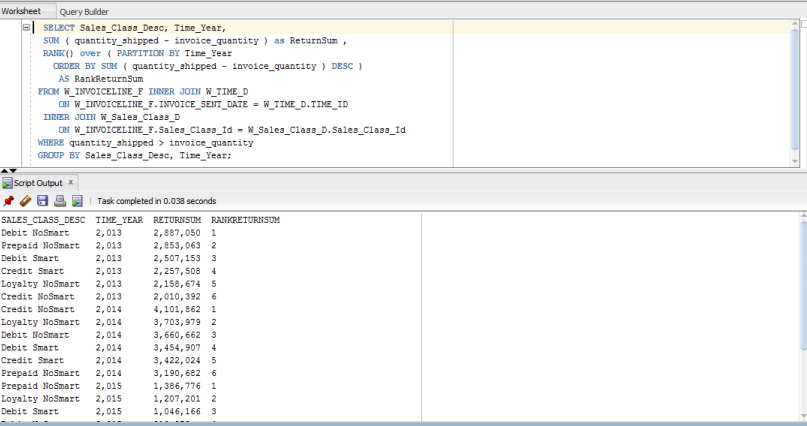


7.

SELECT Sales\_Class\_Desc, Time\_Year, SUM ( quantity\_shipped - invoice\_quantity ) as ReturnSum , RANK() over ( PARTITION BY Time\_Year ORDER BY SUM ( quantity\_shipped - invoice\_quantity ) DESC ) AS RankReturnSum

FROM W\_INVOICELINE\_F INNER JOIN W\_TIME\_D ON W\_INVOICELINE\_F.INVOICE\_SENT\_DATE = W\_TIME\_D.TIME\_ID INNER JOIN W\_Sales\_Class\_D ON W\_INVOICELINE\_F.Sales\_Class\_Id = W\_Sales\_Class\_D.Sales\_Class\_Id

WHERE quantity\_shipped > invoice\_quantity GROUP BY Sales\_Class\_Desc, Time\_Year;



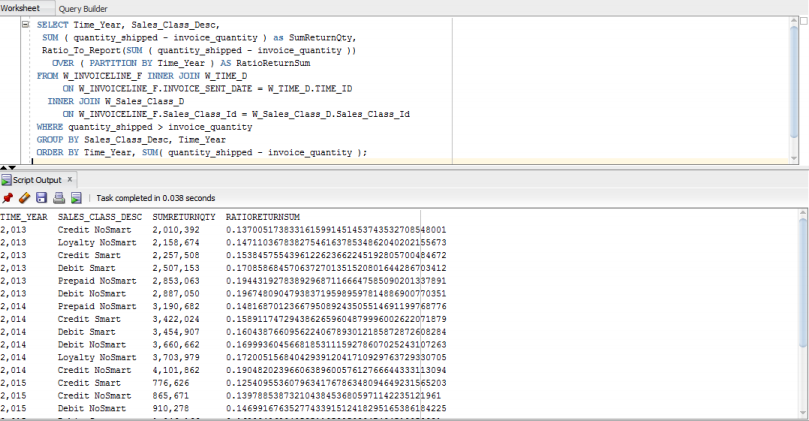
8.

SELECT Time\_Year, Sales\_Class\_Desc, SUM ( quantity\_shipped - invoice\_quantity ) as SumReturnQty, Ratio\_To\_Report(SUM ( quantity\_shipped - invoice\_quantity )) OVER ( PARTITION BY Time\_Year ) AS RatioReturnSum

FROM W\_INVOICELINE\_F INNER JOIN W\_TIME\_D ON W\_INVOICELINE\_F.INVOICE\_SENT\_DATE = W\_TIME\_D.TIME\_ID INNER JOIN W\_Sales\_Class\_D ON W\_INVOICELINE\_F.Sales\_Class\_Id = W\_Sales\_Class\_D.Sales\_Class\_Id

WHERE quantity\_shipped > invoice\_quantity GROUP BY Sales\_Class\_Desc, Time\_Year

ORDER BY Time\_Year, SUM( quantity\_shipped - invoice\_quantity );



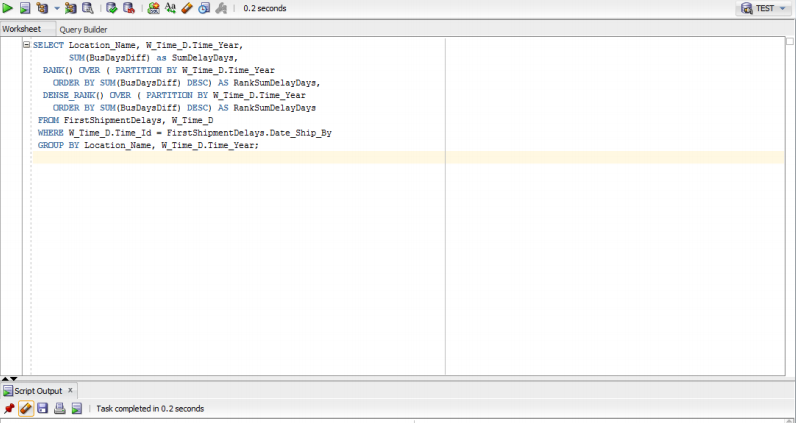
9.

SELECT Location\_Name, W\_Time\_D.Time\_Year, SUM(BusDaysDiff) as SumDelayDays, RANK() OVER ( PARTITION BY W\_Time\_D.Time\_Year

ORDER BY SUM(BusDaysDiff) DESC) AS RankSumDelayDays, DENSE\_RANK() OVER ( PARTITION BY W\_Time\_D.Time\_Year

ORDER BY SUM(BusDaysDiff) DESC) AS RankSumDelayDays FROM FirstShipmentDelays, W\_Time\_D WHERE W\_Time\_D.Time\_Id = FirstShipmentDelays.Date\_Ship\_By

GROUP BY Location\_Name, W\_Time\_D.Time\_Year;



10.

SELECT Location\_Name, W\_Time\_D.Time\_Year, COUNT(\*) AS NumJobs, SUM(BusDaysDiff) as SumDelayDays, SUM(Quantity\_Ordered - SumDelayShipQty) / SUM(Quantity\_Ordered) AS PromisedDelayRate, RANK() OVER ( PARTITION BY W\_Time\_D.Time\_Year

ORDER BY SUM(Quantity\_Ordered - SumDelayShipQty) / SUM(Quantity\_Ordered) DESC) AS RankDelayRate

FROM LastShipmentDelays, W\_Time\_D

WHERE W\_Time\_D.Time\_Id = LastShipmentDelays.Date\_Promised

GROUP BY Location\_Name, W\_Time\_D.Time\_Year;

