**Analytic Query 1**

SELECT L.Location\_Name,T.Time\_Year,T.Time\_Month,

SUM ( J.Quantity\_Ordered \* J.Unit\_Price ) TotalJobAmount,

SUM ( SUM ( J.Quantity\_Ordered \* J.Unit\_Price ) )

OVER ( PARTITION BY L.Location\_Name,T.Time\_Year

ORDER BY T.Time\_Month

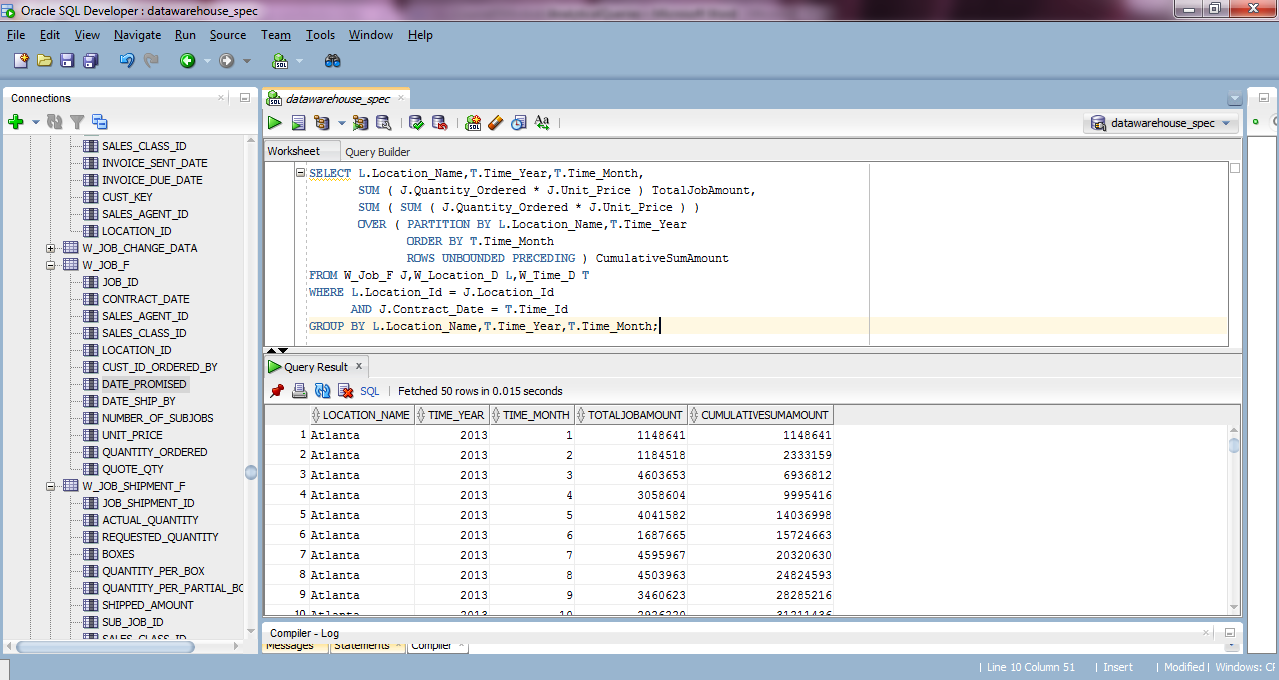
ROWS UNBOUNDED PRECEDING ) CumulativeSumAmount

FROM W\_Job\_F J,W\_Location\_D L,W\_Time\_D T

WHERE L.Location\_Id = J.Location\_Id

AND J.Contract\_Date = T.Time\_Id

GROUP BY L.Location\_Name,T.Time\_Year,T.Time\_Month;



**Analytic Query 2**

SELECT L.Location\_Name, T.Time\_Year, T.Time\_Month,

AVG( J.Quantity\_Ordered \* J.Unit\_Price ) AvgJobAmount,

AVG( AVG( J.Quantity\_Ordered \* J.Unit\_Price ) )

OVER ( PARTITION BY L.Location\_Name

ORDER BY T.Time\_Year,T.Time\_Month

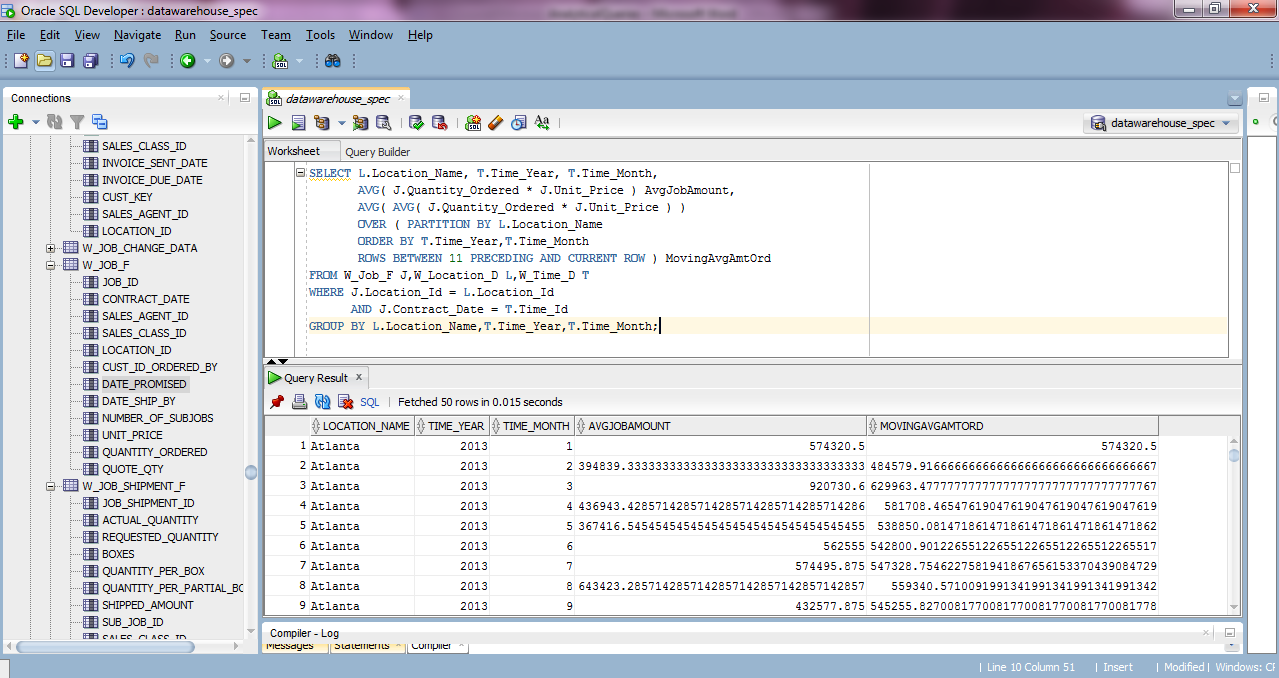
ROWS BETWEEN 11 PRECEDING AND CURRENT ROW ) MovingAvgAmtOrd

FROM W\_Job\_F J,W\_Location\_D L,W\_Time\_D T

WHERE J.Location\_Id = L.Location\_Id

AND J.Contract\_Date = T.Time\_Id

GROUP BY L.Location\_Name,T.Time\_Year,T.Time\_Month;



**Analytic Query 3**

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

SUM(TotalInvoiceAmount-TotalCost) TotalLocationProfit,

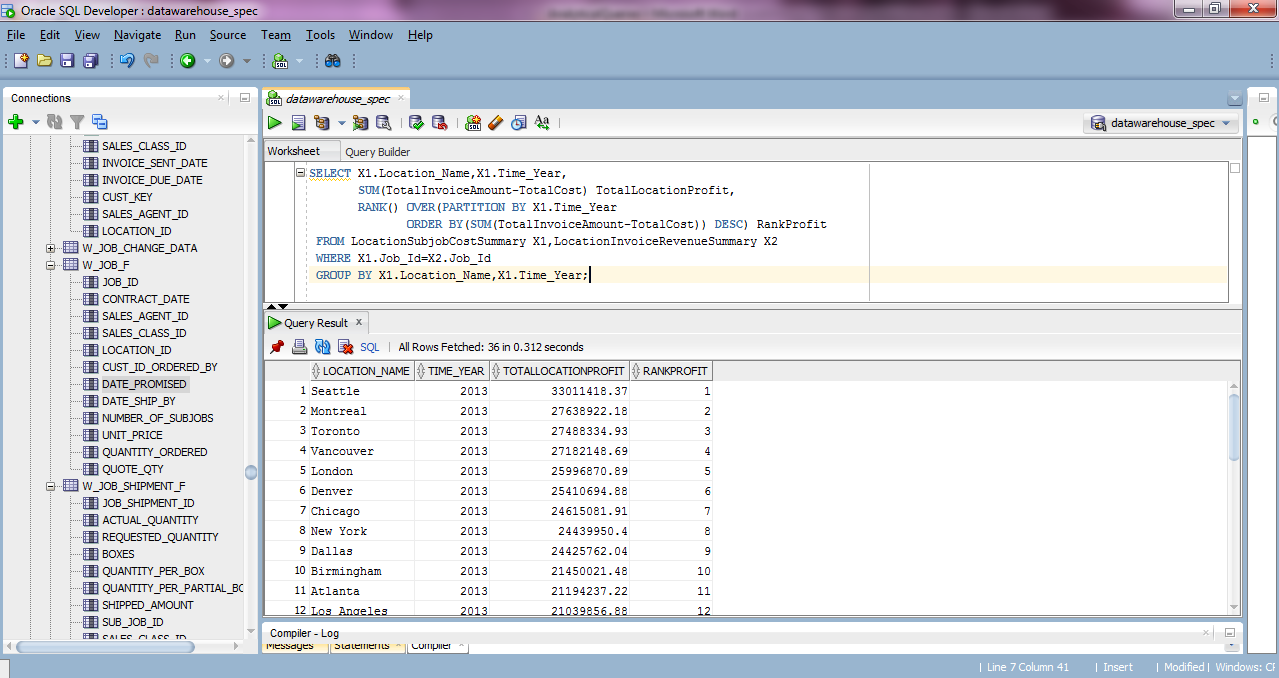
RANK() OVER(PARTITION BY X1.Time\_Year

ORDER BY(SUM(TotalInvoiceAmount-TotalCost)) DESC) RankProfit

FROM LocationSubjobCostSummary X1,LocationInvoiceRevenueSummary X2

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

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



**Analytic Query 4**

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

SUM(TotalInvoiceAmount-TotalCost)/SUM(TotalInvoiceAmount) ProfitMargin,

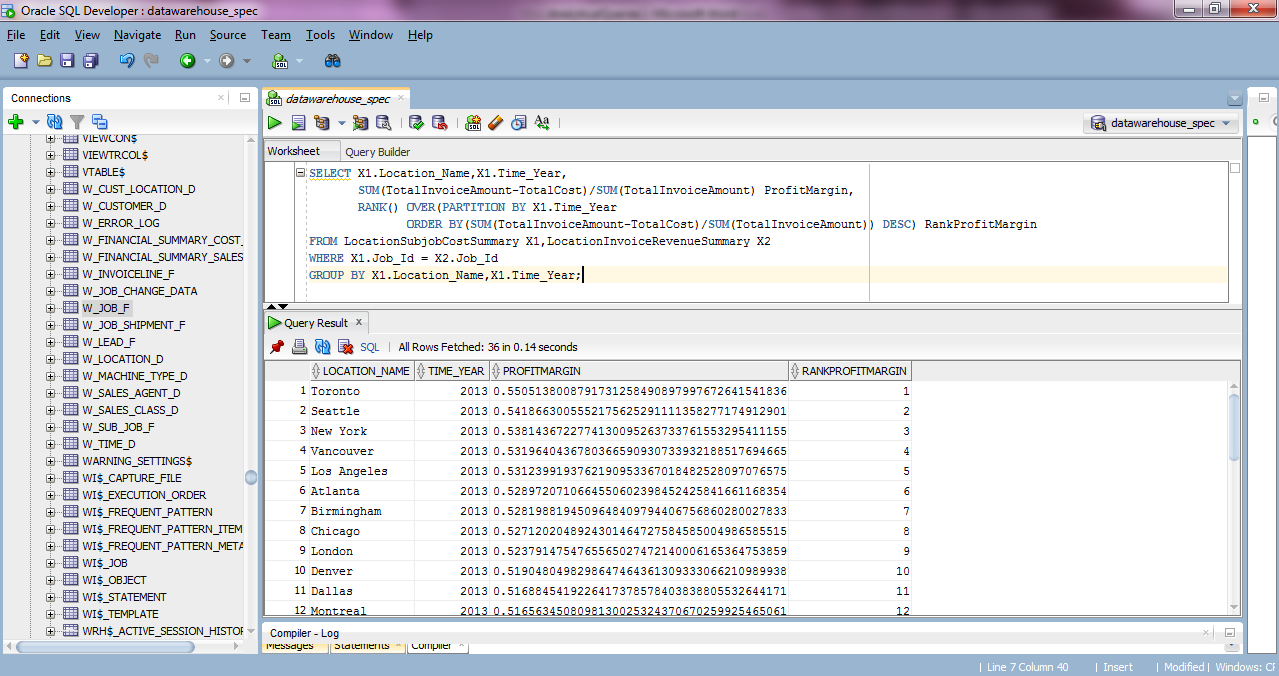
RANK() OVER(PARTITION BY X1.Time\_Year

ORDER BY(SUM(TotalInvoiceAmount-TotalCost)/SUM(TotalInvoiceAmount)) DESC) RankProfitMargin

FROM LocationSubjobCostSummary X1,LocationInvoiceRevenueSummary X2

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

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



**Analytic Query 5**

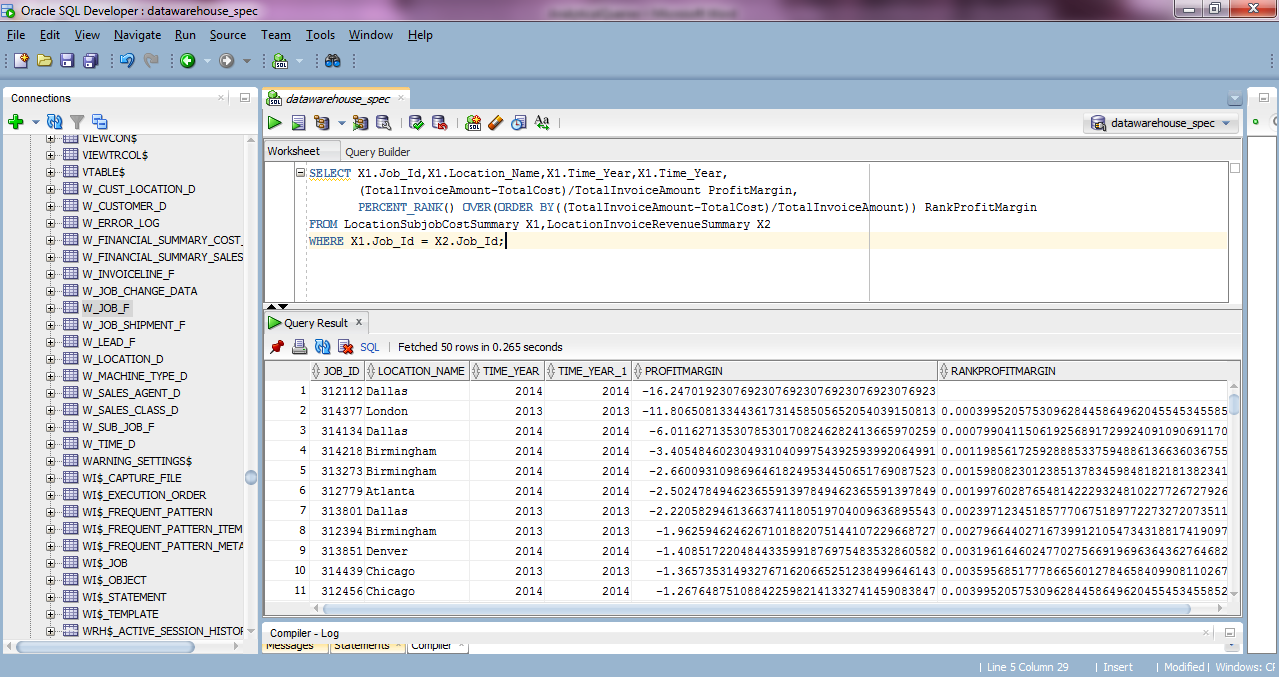
SELECT X1.Job\_Id,X1.Location\_Name,X1.Time\_Year,X1.Time\_Year,

(TotalInvoiceAmount-TotalCost)/TotalInvoiceAmount ProfitMargin,

PERCENT\_RANK() OVER(ORDER BY((TotalInvoiceAmount-TotalCost)/TotalInvoiceAmount)) RankProfitMargin

FROM LocationSubjobCostSummary X1,LocationInvoiceRevenueSummary X2

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

****

**Analytic Query 6**

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

FROM(SELECT X1.Job\_Id,X1.Location\_Name,X1.Time\_Year,X1.Time\_Month,

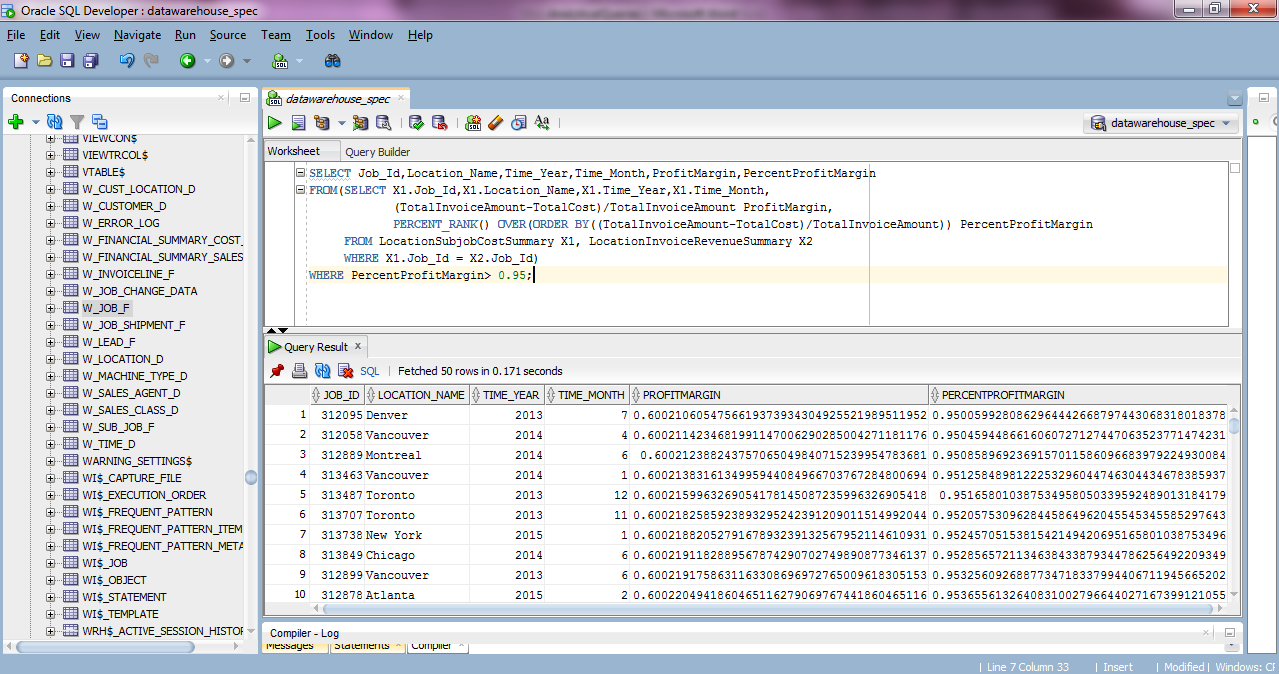
(TotalInvoiceAmount-TotalCost)/TotalInvoiceAmount ProfitMargin,

PERCENT\_RANK() OVER(ORDER BY((TotalInvoiceAmount-TotalCost)/TotalInvoiceAmount)) PercentProfitMargin

FROM LocationSubjobCostSummary X1, LocationInvoiceRevenueSummary X2

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

WHERE PercentProfitMargin> 0.95;



**Analytic Query 7**

SELECT S.Sales\_Class\_Desc,T.Time\_Year,

SUM(I.Quantity\_Shipped - I.Invoice\_Quantity) ReturnSummary,

RANK() OVER(PARTITION BY T.Time\_Year

ORDER BY SUM(I.Quantity\_Shipped - I.Invoice\_Quantity) DESC) RankReturnSummary

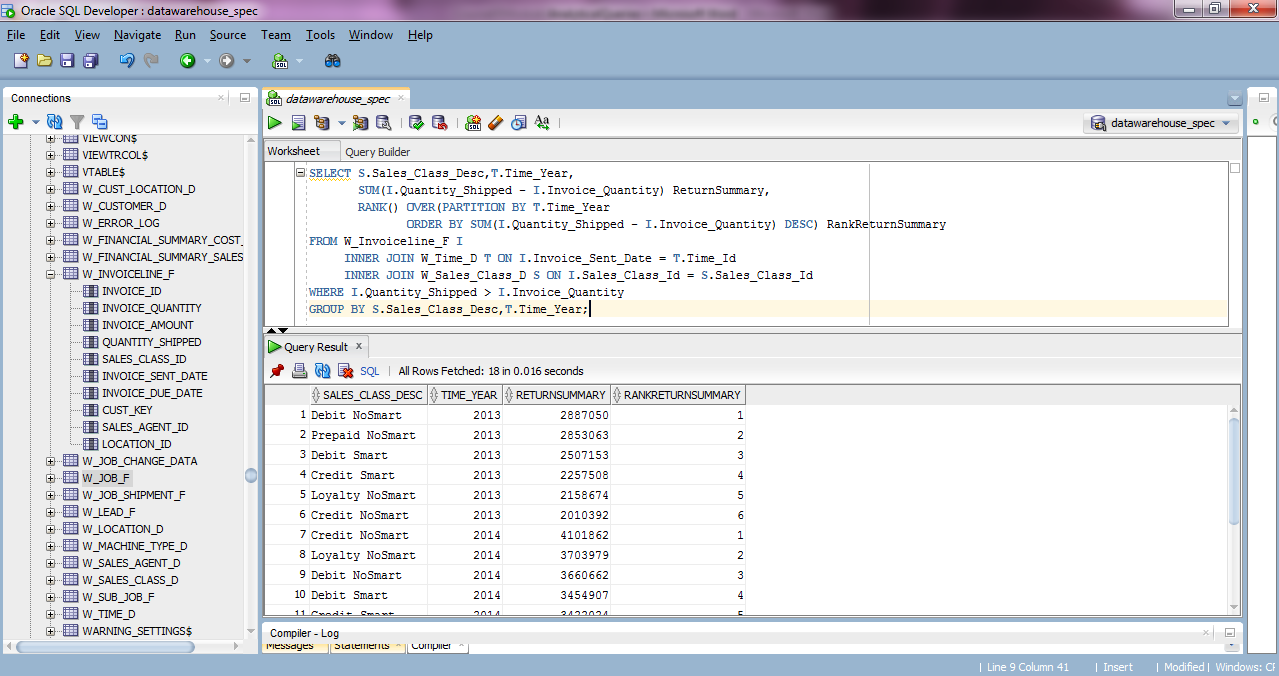
FROM W\_Invoiceline\_F I

INNER JOIN W\_Time\_D T ON I.Invoice\_Sent\_Date = T.Time\_Id

INNER JOIN W\_Sales\_Class\_D S ON I.Sales\_Class\_Id = S.Sales\_Class\_Id

WHERE I.Quantity\_Shipped > I.Invoice\_Quantity

GROUP BY S.Sales\_Class\_Desc,T.Time\_Year;

****

**Analytic Query 8**

SELECT S.Sales\_Class\_Desc,T.Time\_Year,

SUM(I.Quantity\_Shipped - I.Invoice\_Quantity) ReturnSummary,

RATIO\_TO\_REPORT(SUM(I.Quantity\_Shipped - I.Invoice\_Quantity))

OVER(PARTITION BY Time\_Year) RatioReturnSummary

FROM W\_Invoiceline\_F I

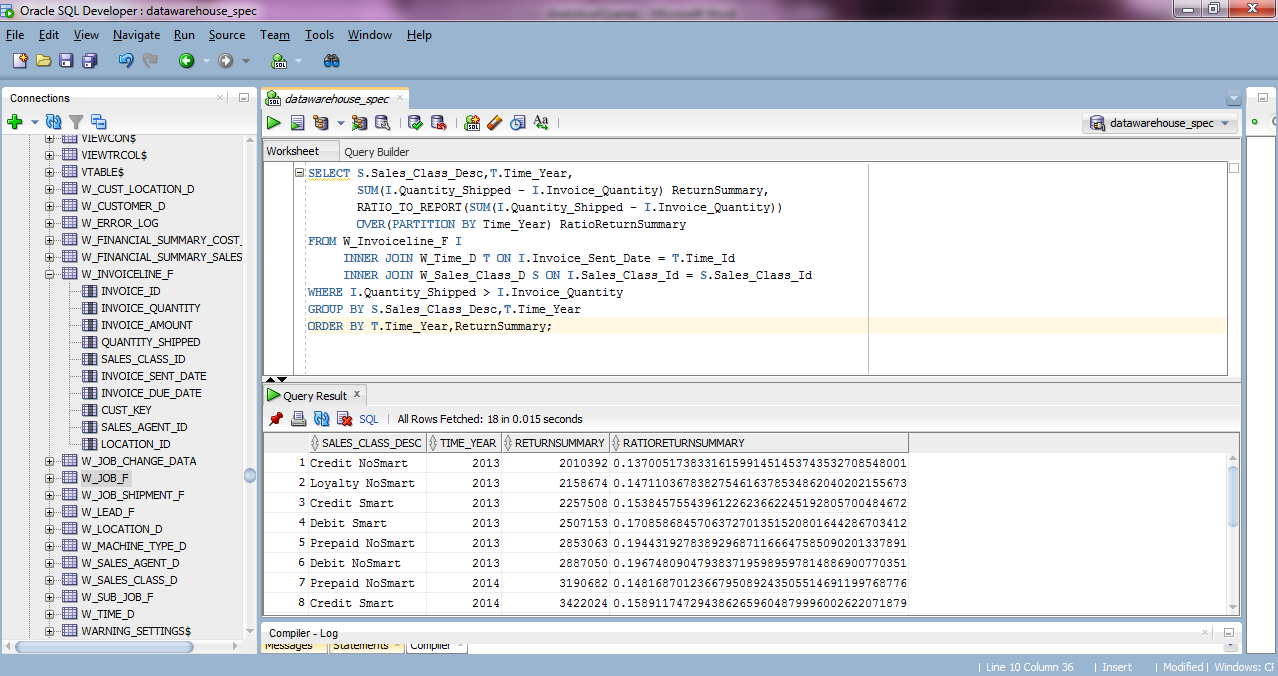
INNER JOIN W\_Time\_D T ON I.Invoice\_Sent\_Date = T.Time\_Id

INNER JOIN W\_Sales\_Class\_D S ON I.Sales\_Class\_Id = S.Sales\_Class\_Id

WHERE I.Quantity\_Shipped > I.Invoice\_Quantity

GROUP BY S.Sales\_Class\_Desc,T.Time\_Year

ORDER BY T.Time\_Year,ReturnSummary;



**Analytic Query 9**

SELECT F.Location\_Name,T.Time\_Year,

SUM(F.BusDaysDiff) SumBusDelayDays,

RANK() OVER(PARTITION BY T.Time\_Year

ORDER BY SUM(F.BusDaysDiff) DESC) RankSumBusDelay,

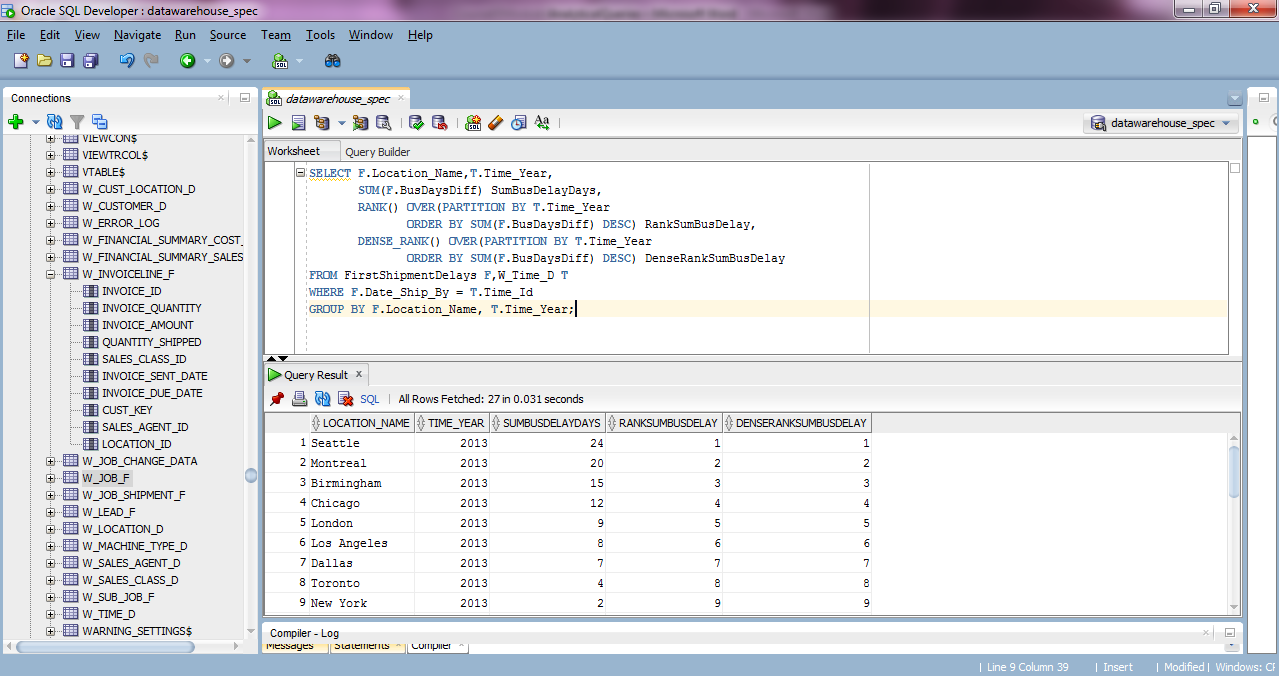
DENSE\_RANK() OVER(PARTITION BY T.Time\_Year

ORDER BY SUM(F.BusDaysDiff) DESC) DenseRankSumBusDelay

FROM FirstShipmentDelays F,W\_Time\_D T

WHERE F.Date\_Ship\_By = T.Time\_Id

GROUP BY F.Location\_Name, T.Time\_Year;



**Analytic Query 10**

SELECT L.Location\_Name, T.Time\_Year,

COUNT(\*) DelayedJobsCount,

SUM(L.BusDaysDiff) SumBusDelayDays,

SUM(L.Quantity\_Ordered - L.SumDelayShipQty)/SUM(L.Quantity\_Ordered) PromisedDelayDate,

RANK() OVER ( PARTITION BY T.Time\_Year

ORDER BY SUM(L.Quantity\_Ordered - L.SumDelayShipQty)/SUM(L.Quantity\_Ordered) DESC) RankDelayDate

FROM LastShipmentDelays L, W\_Time\_D T

WHERE L.Date\_Promised = T.Time\_Id

GROUP BY L.Location\_Name, T.Time\_Year;

