**COURSE03MODULE03\_ASSIGNMENT\_SOLUTIONS**

1)

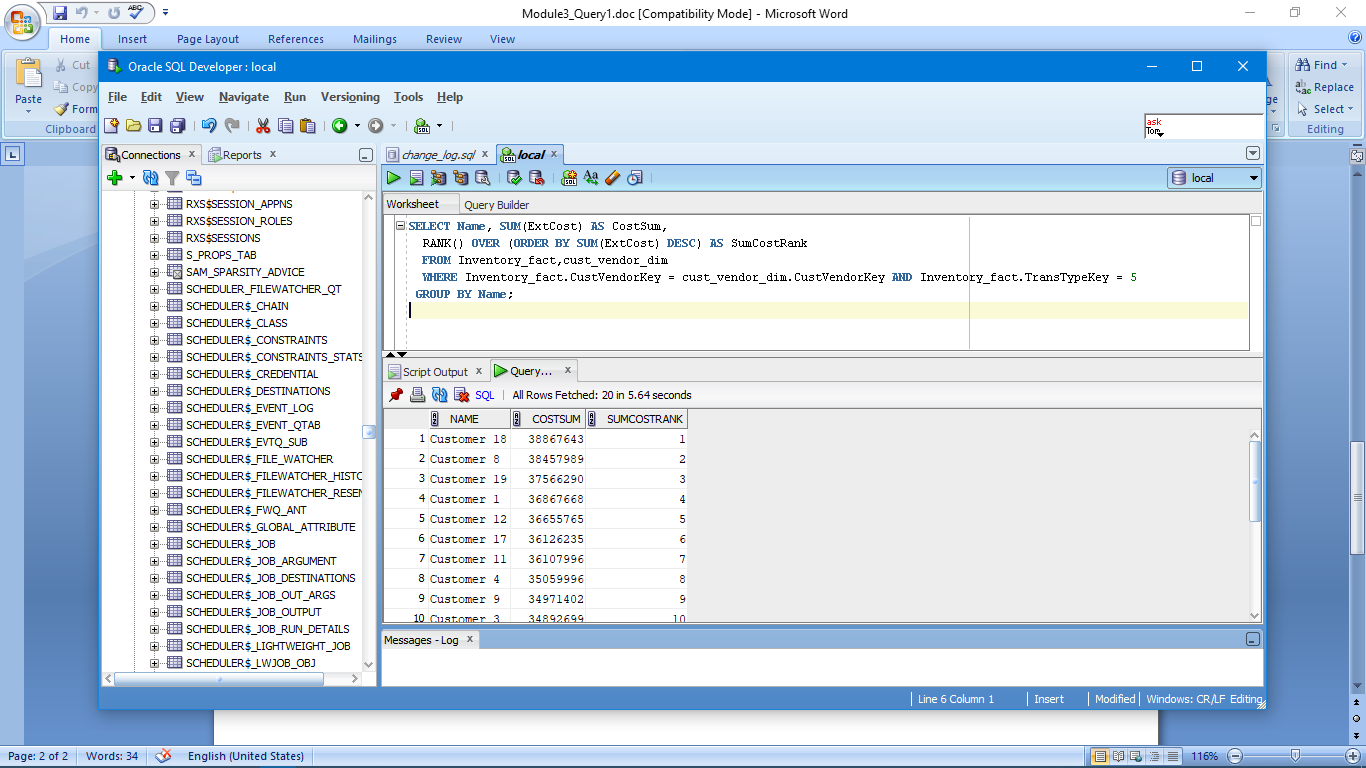
SELECT Name, SUM(ExtCost) AS CostSum,

RANK() OVER (ORDER BY SUM(ExtCost) DESC) AS SumCostRank

FROM Inventory\_fact,cust\_vendor\_dim

WHERE Inventory\_fact.CustVendorKey = cust\_vendor\_dim.CustVendorKey AND Inventory\_fact.TransTypeKey = 5

GROUP BY Name;



2)

SELECT State,Name, SUM(ExtCost) AS CostSum,

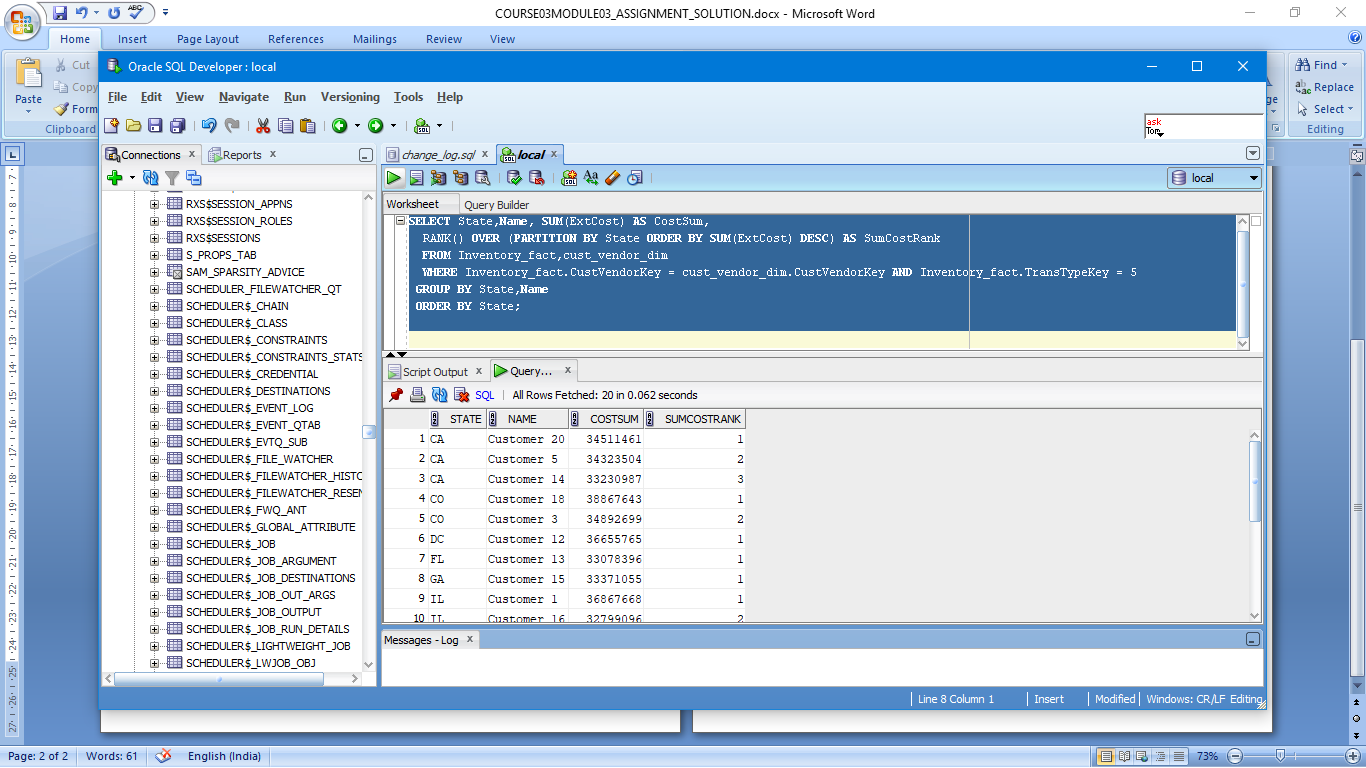
RANK() OVER (PARTITION BY State ORDER BY SUM(ExtCost) DESC) AS SumCostRank

FROM Inventory\_fact,cust\_vendor\_dim

WHERE Inventory\_fact.CustVendorKey = cust\_vendor\_dim.CustVendorKey AND Inventory\_fact.TransTypeKey = 5

GROUP BY State,Name

ORDER BY State;



3)

SELECT Name, COUNT(\*) AS TransCount,

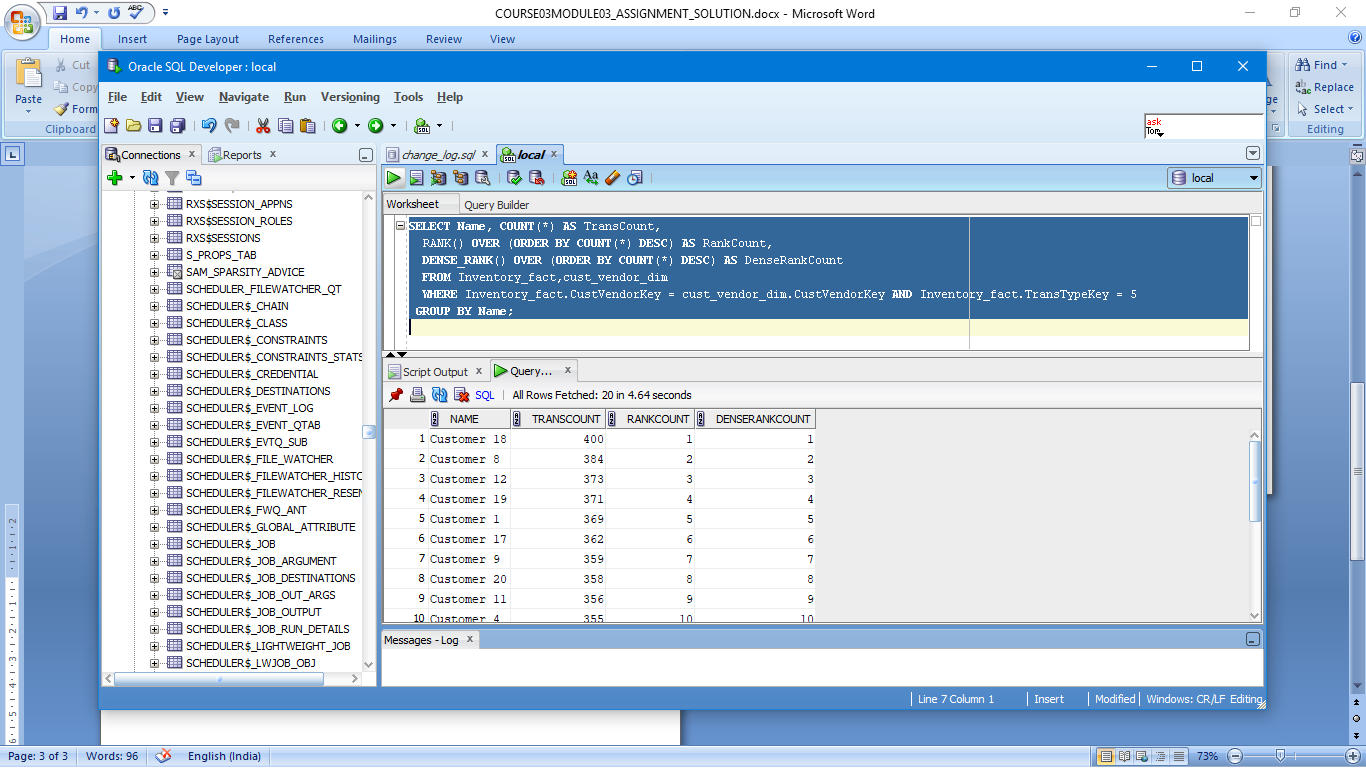
RANK() OVER (ORDER BY COUNT(\*) DESC) AS RankCount,

DENSE\_RANK() OVER (ORDER BY COUNT(\*) DESC) AS DenseRankCount

FROM Inventory\_fact,cust\_vendor\_dim

WHERE Inventory\_fact.CustVendorKey = cust\_vendor\_dim.CustVendorKey AND Inventory\_fact.TransTypeKey = 5

GROUP BY Name;



4)

SELECT Zip,CalYear,CalMonth, SUM(ExtCost) AS SumCost,

SUM(SUM(ExtCost)) OVER (

ORDER BY Zip,CalYear,CalMonth

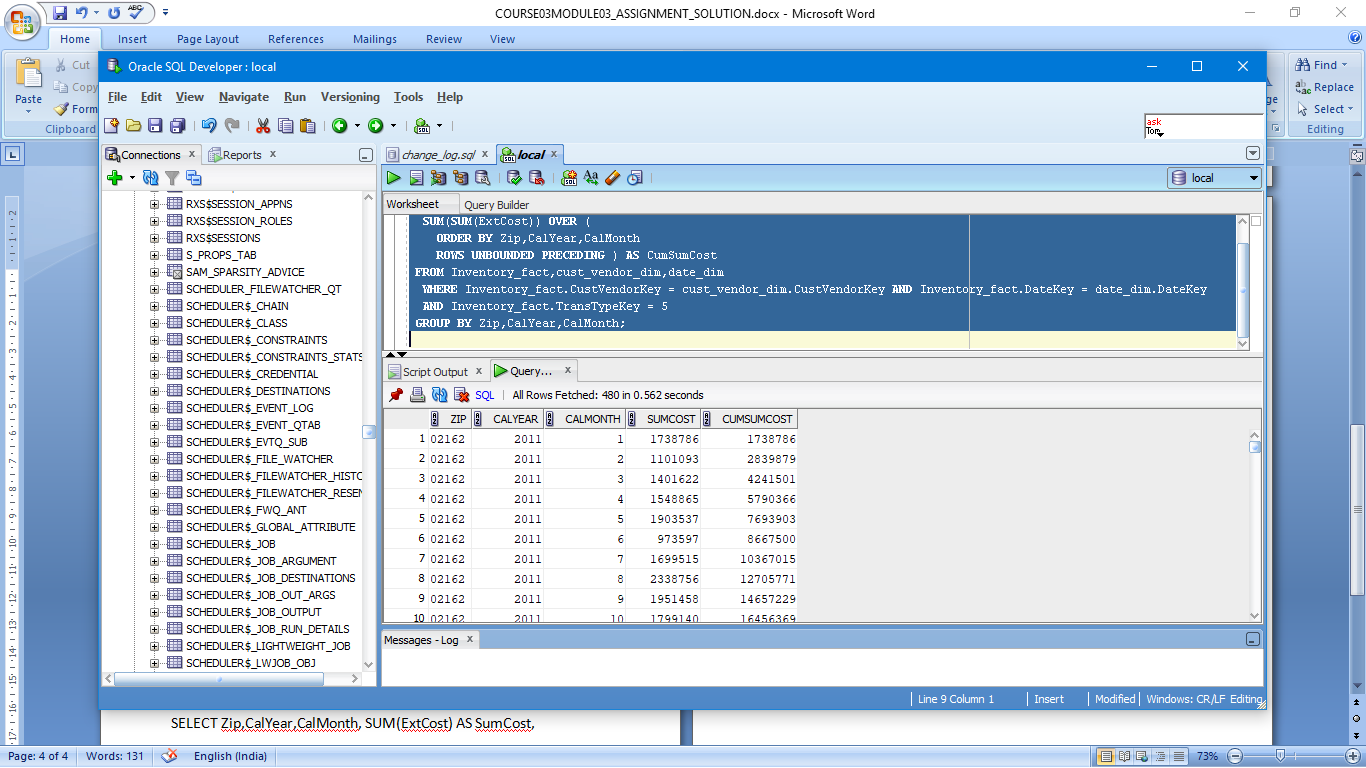
ROWS UNBOUNDED PRECEDING ) AS CumSumCost

FROM Inventory\_fact,cust\_vendor\_dim,date\_dim

WHERE Inventory\_fact.CustVendorKey = cust\_vendor\_dim.CustVendorKey AND Inventory\_fact.DateKey = date\_dim.DateKey

AND Inventory\_fact.TransTypeKey = 5

GROUP BY Zip,CalYear,CalMonth;



5)

SELECT Zip,CalYear,CalMonth, SUM(ExtCost) AS SumCost,

SUM(SUM(ExtCost)) OVER (PARTITION BY Zip,CalYear

ORDER BY Zip,CalYear,CalMonth

ROWS UNBOUNDED PRECEDING ) AS CumSumCost

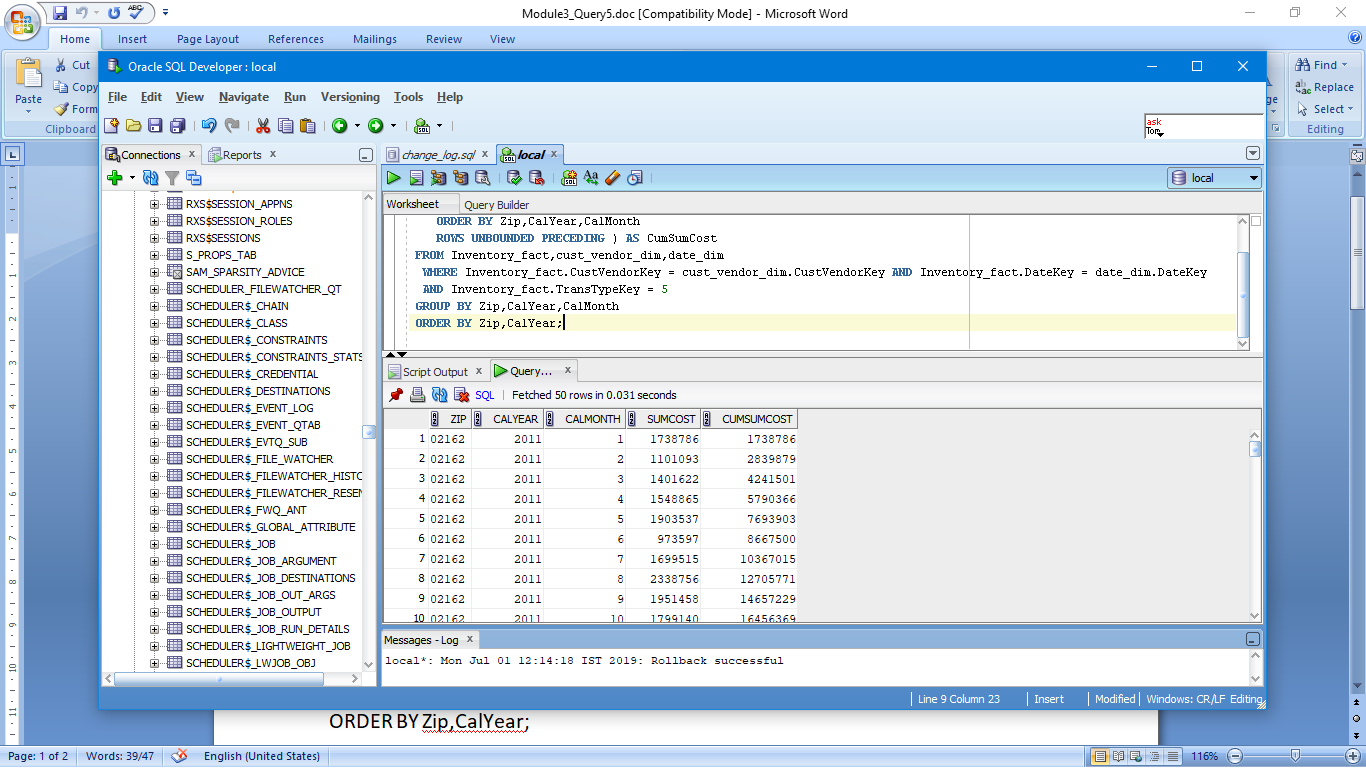
FROM Inventory\_fact,cust\_vendor\_dim,date\_dim

WHERE Inventory\_fact.CustVendorKey = cust\_vendor\_dim.CustVendorKey AND Inventory\_fact.DateKey = date\_dim.DateKey

AND Inventory\_fact.TransTypeKey = 5

GROUP BY Zip,CalYear,CalMonth

ORDER BY Zip,CalYear;



6)

SELECT SecondItemId,SUM(ExtCost) AS CostSum,RATIO\_TO\_REPORT(SUM(ExtCost))

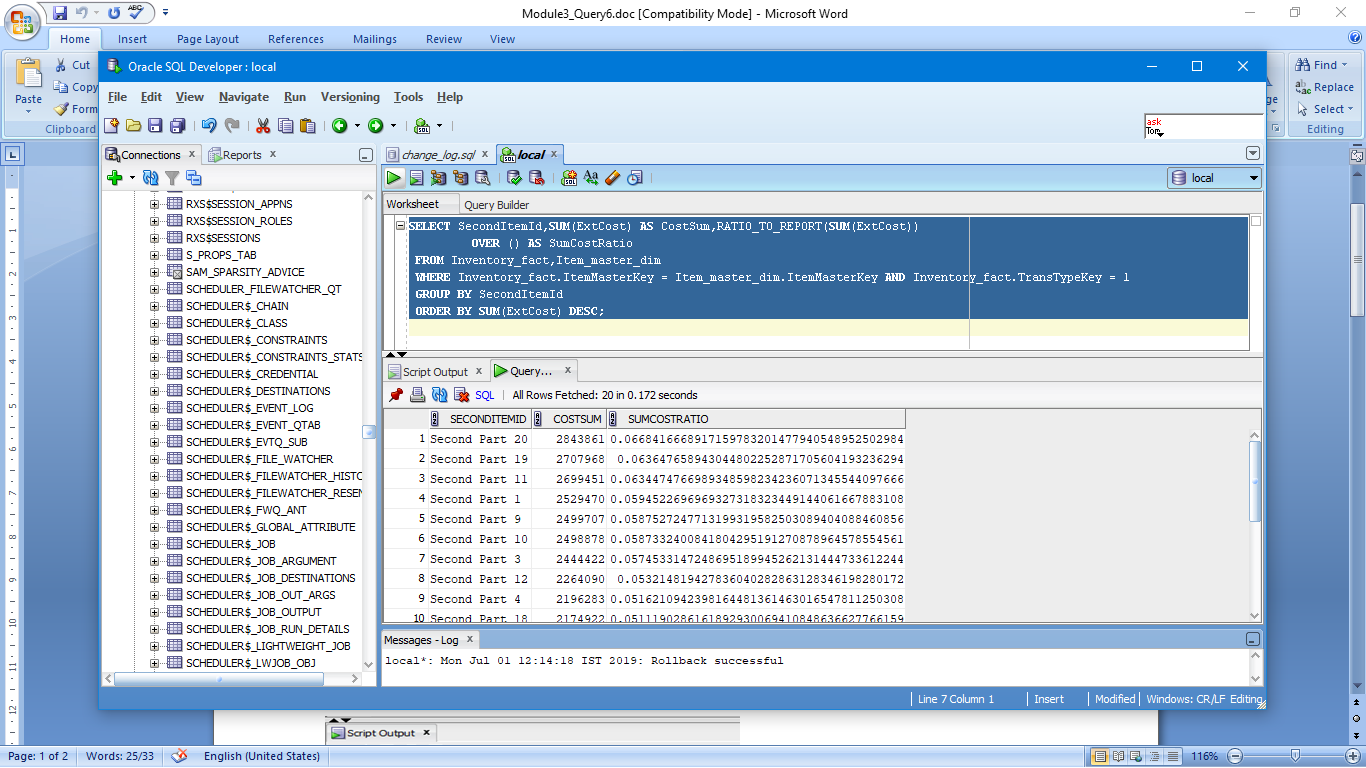
OVER () AS SumCostRatio

FROM Inventory\_fact,Item\_master\_dim

WHERE Inventory\_fact.ItemMasterKey = Item\_master\_dim.ItemMasterKey AND Inventory\_fact.TransTypeKey = 1

GROUP BY SecondItemId

ORDER BY SUM(ExtCost) DESC;



7)

SELECT CalYear,SecondItemId,SUM(ExtCost) AS CostSum,RATIO\_TO\_REPORT(SUM(ExtCost))

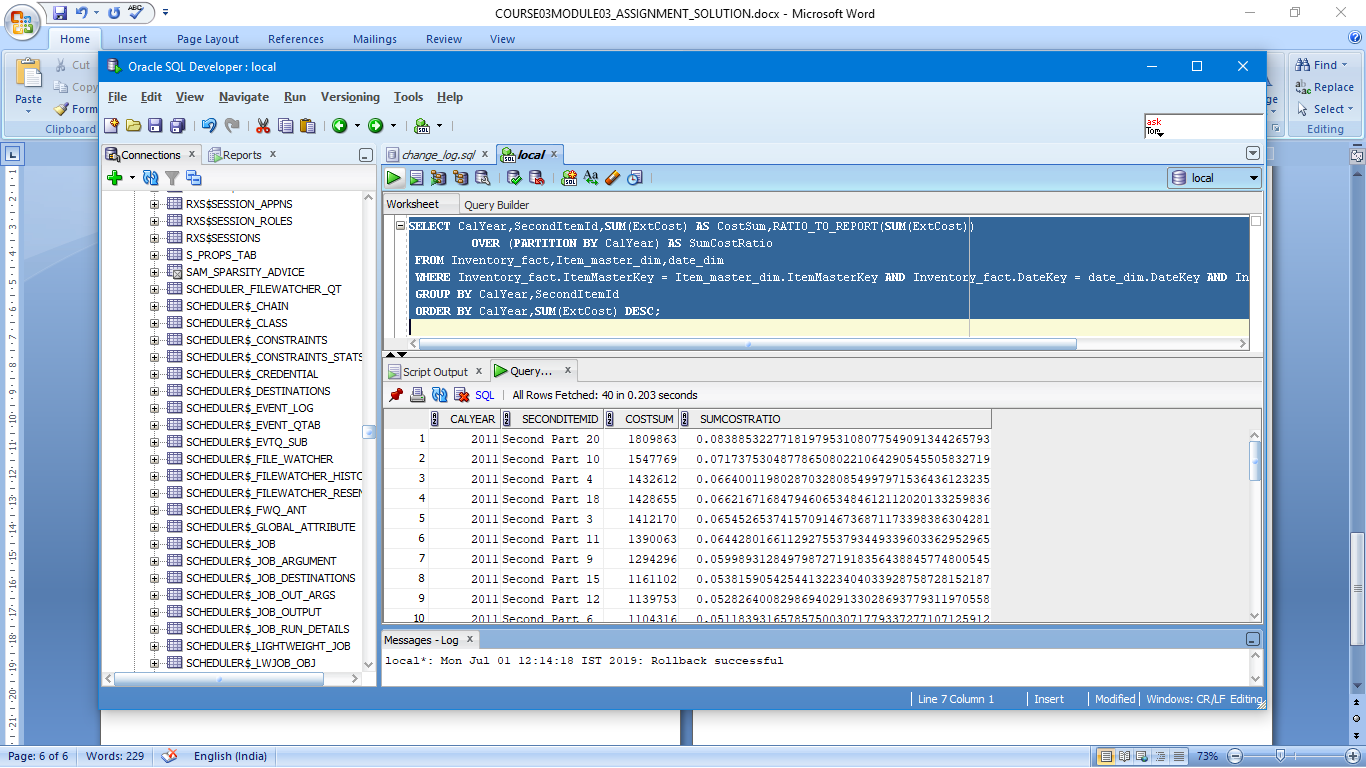
OVER (PARTITION BY CalYear) AS SumCostRatio

FROM Inventory\_fact,Item\_master\_dim,date\_dim

WHERE Inventory\_fact.ItemMasterKey = Item\_master\_dim.ItemMasterKey AND Inventory\_fact.DateKey = date\_dim.DateKey AND Inventory\_fact.TransTypeKey = 1

GROUP BY CalYear,SecondItemId

ORDER BY CalYear,SUM(ExtCost) DESC;



8)

SELECT BPName,CompanyKey,CarryingCost,

RANK()

OVER (ORDER BY CarryingCost) As RankCarryingCost,

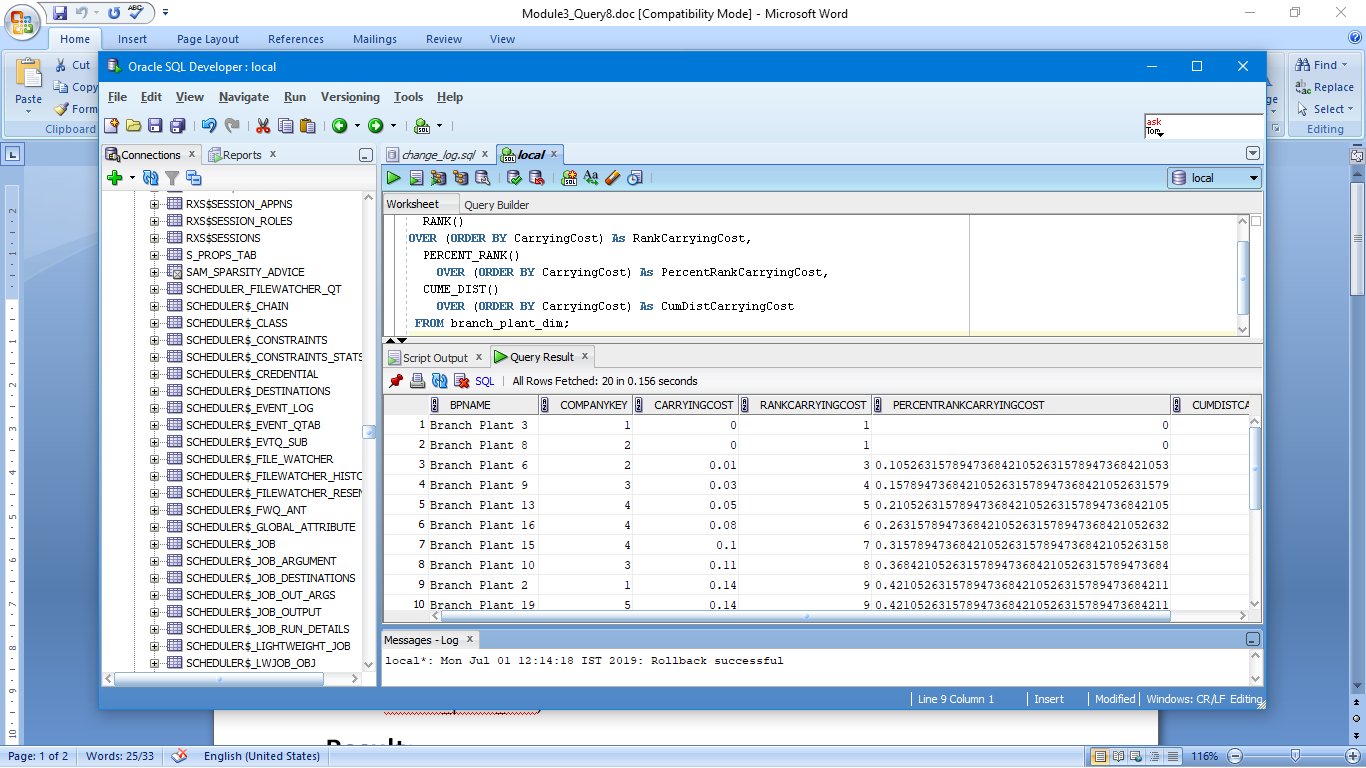
PERCENT\_RANK()

OVER (ORDER BY CarryingCost) As PercentRankCarryingCost,

CUME\_DIST()

OVER (ORDER BY CarryingCost) As CumDistCarryingCost

FROM branch\_plant\_dim;



9)

SELECT BPName,CompanyKey,CarryingCost,CumDistCarryingCost

FROM

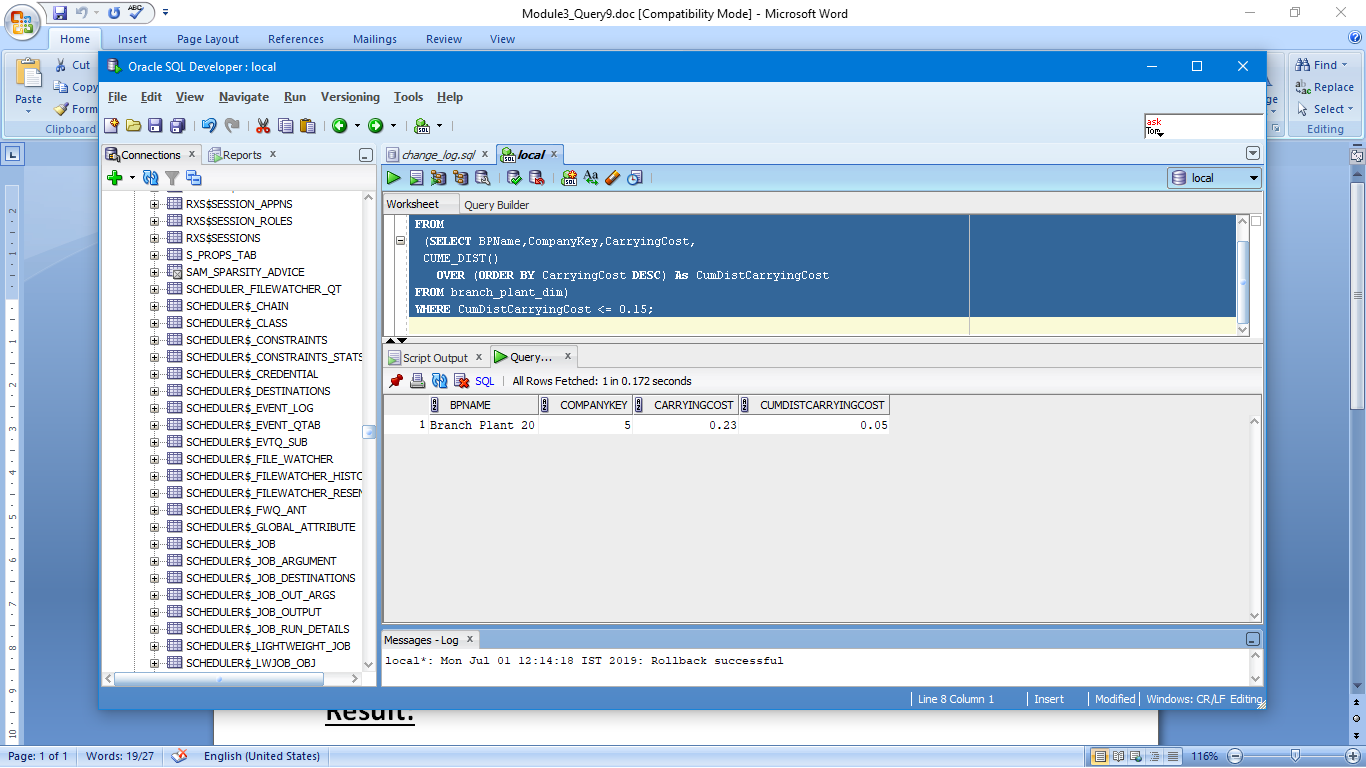
(SELECT BPName,CompanyKey,CarryingCost,

CUME\_DIST()

OVER (ORDER BY CarryingCost DESC) As CumDistCarryingCost

FROM branch\_plant\_dim)

WHERE CumDistCarryingCost <= 0.15;



10)

SELECT DISTINCT ExtCost,

CUME\_DIST()

OVER (ORDER BY ExtCost) As CumDistCarryingCost

FROM Inventory\_fact,cust\_vendor\_dim

WHERE Inventory\_fact.CustVendorKey = cust\_vendor\_dim.CustVendorKey AND State = 'CO'

ORDER BY ExtCost;

