Query 1:

SELECT name, SUM(extcost) AS ExtCostSum,

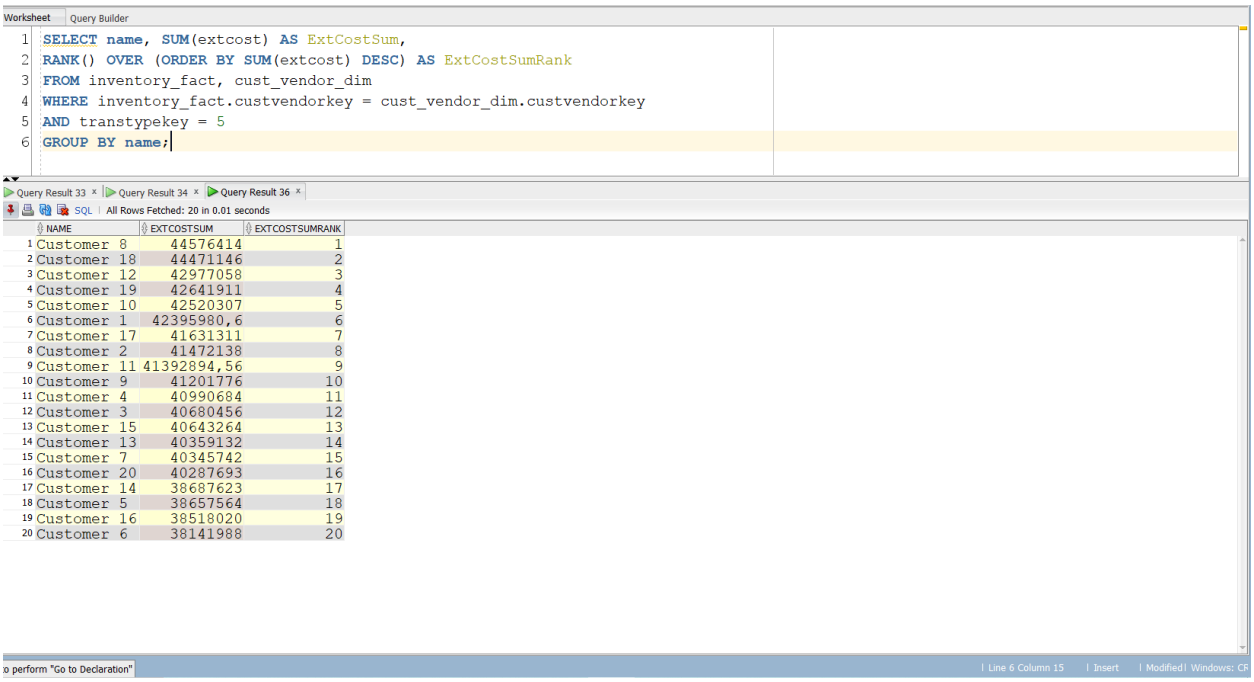
RANK() OVER (ORDER BY SUM(extcost) DESC) AS ExtCostSumRank

FROM inventory_fact, cust_vendor_dim

WHERE inventory_fact.custvendorkey = cust_vendor_dim.custvendorkey

AND transtypekey = 5

GROUP BY name;



```
SELECT name, SUM(extcost) AS ExtCostSum,
RANK() OVER (ORDER BY SUM(extcost) DESC) AS ExtCostSumRank
FROM inventory_fact, cust_vendor_dim
WHERE inventory_fact.custvendorkey = cust_vendor_dim.custvendorkey
AND transtypekey = 5
GROUP BY name;
```

	NAME	EXTCOSTSUM	EXTCOSTSUMRANK
1	Customer 8	44576414	1
2	Customer 18	44471146	2
3	Customer 12	42977058	3
4	Customer 19	42641911	4
5	Customer 10	42520307	5
6	Customer 1	42395980,6	6
7	Customer 17	41631311	7
8	Customer 2	41472138	8
9	Customer 11	41392894,56	9
10	Customer 9	41201776	10
11	Customer 4	40990684	11
12	Customer 3	40680456	12
13	Customer 15	40643264	13
14	Customer 13	40359132	14
15	Customer 7	40345742	15
16	Customer 20	40287693	16
17	Customer 14	38687623	17
18	Customer 5	38657564	18
19	Customer 16	38518020	19
20	Customer 6	38141988	20

Query 2:

SELECT state, name, SUM(extcost) AS ExtCostSum,

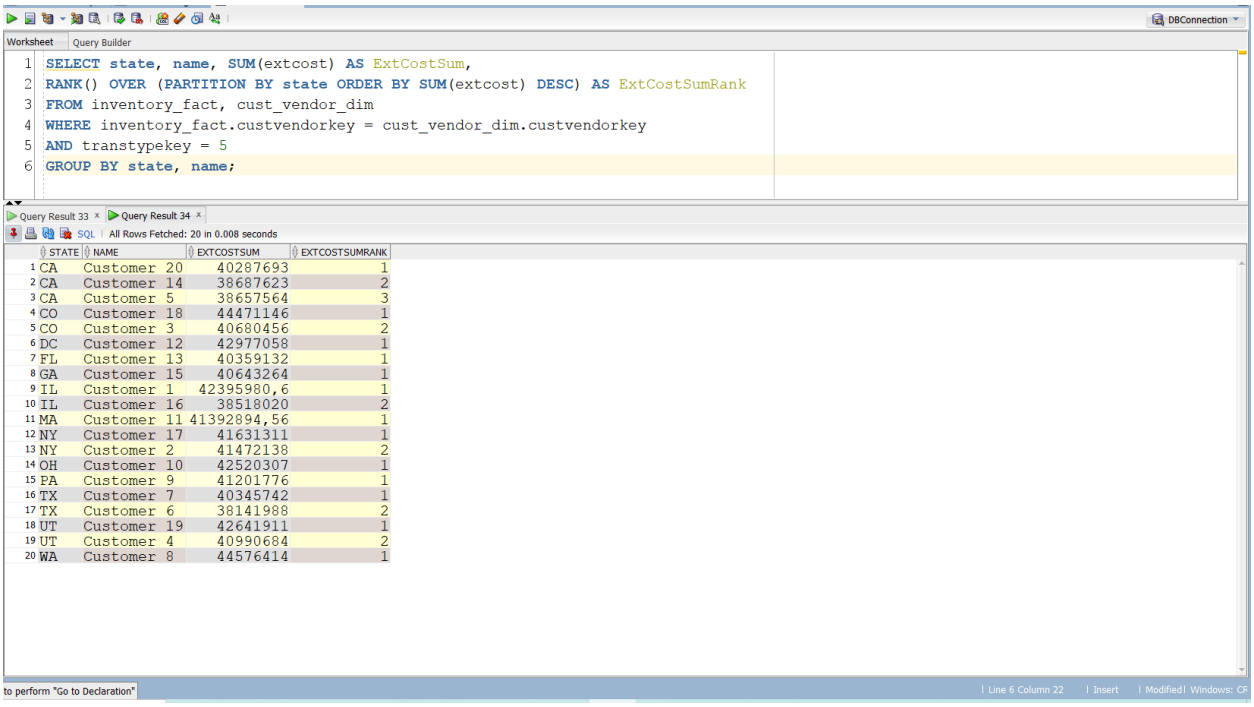
RANK() OVER (PARTITION BY state ORDER BY SUM(extcost) DESC) AS ExtCostSumRank

FROM inventory_fact, cust_vendor_dim

WHERE inventory_fact.custvendorkey = cust_vendor_dim.custvendorkey

AND transtypekey = 5

GROUP BY state, name;



Query 3:

SELECT name, COUNT(*) AS TransTotal,

RANK() OVER (ORDER BY COUNT(*) DESC) AS TransTotalRank,

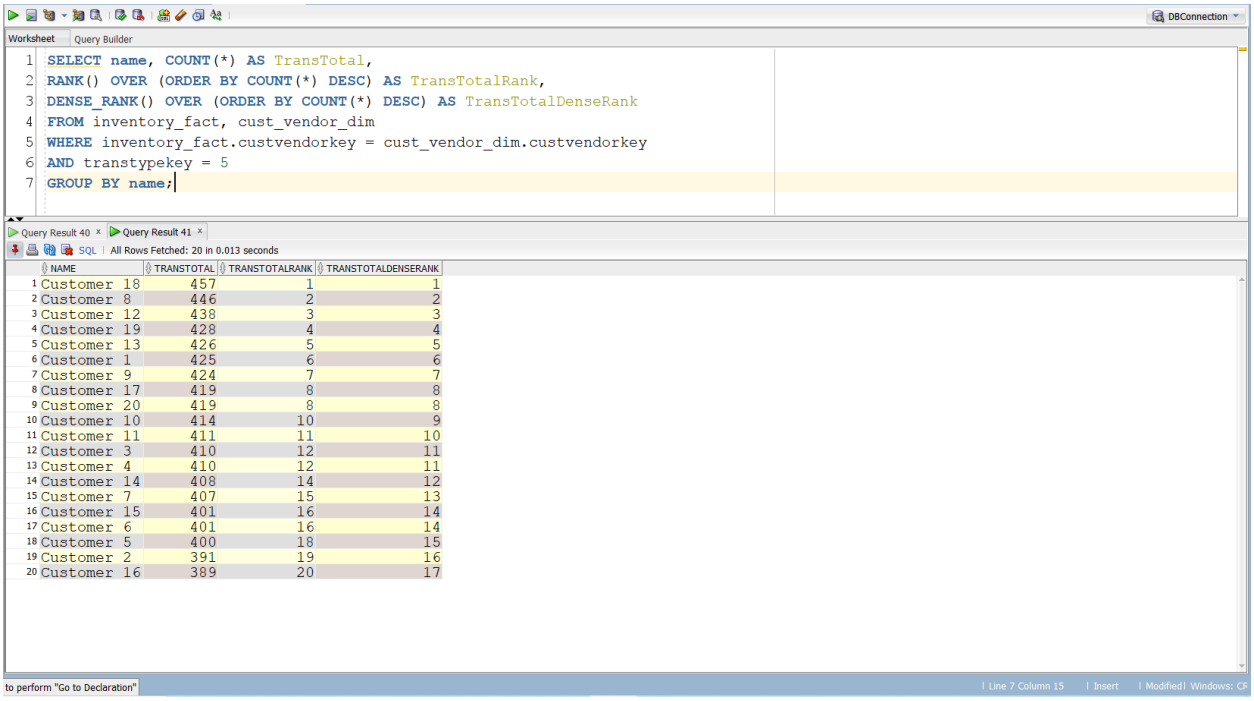
DENSE_RANK() OVER (ORDER BY COUNT(*) DESC) AS TransTotalDenseRank

FROM inventory_fact, cust_vendor_dim

WHERE inventory_fact.custvendorkey = cust_vendor_dim.custvendorkey

AND transtypekey = 5

GROUP BY name;



```
SELECT name, COUNT(*) AS TransTotal,
RANK() OVER (ORDER BY COUNT(*) DESC) AS TransTotalRank,
DENSE_RANK() OVER (ORDER BY COUNT(*) DESC) AS TransTotalDenseRank
FROM inventory_fact, cust_vendor_dim
WHERE inventory_fact.custvendorkey = cust_vendor_dim.custvendorkey
AND transtypekey = 5
GROUP BY name;
```

All Rows Fetched: 20 in 0.013 seconds

	NAME	TRANSTOTAL	TRANSTOTALRANK	TRANSTOTALDENSERANK
1	Customer 18	457	1	1
2	Customer 8	446	2	2
3	Customer 12	438	3	3
4	Customer 19	428	4	4
5	Customer 13	426	5	5
6	Customer 1	425	6	6
7	Customer 9	424	7	7
8	Customer 17	419	8	8
9	Customer 20	419	8	8
10	Customer 10	414	10	9
11	Customer 11	411	11	10
12	Customer 3	410	12	11
13	Customer 4	410	12	11
14	Customer 14	408	14	12
15	Customer 7	407	15	13
16	Customer 15	401	16	14
17	Customer 6	401	16	14
18	Customer 5	400	18	15
19	Customer 2	391	19	16
20	Customer 16	389	20	17

Query 4:

SELECT zip, calyear, calmonth, SUM(extcost) AS ExtCostSum,

SUM(SUM(extcost)) OVER (ORDER BY zip, calyear, calmonth ROWS UNBOUNDED PRECEDING) AS CumExtCostSum

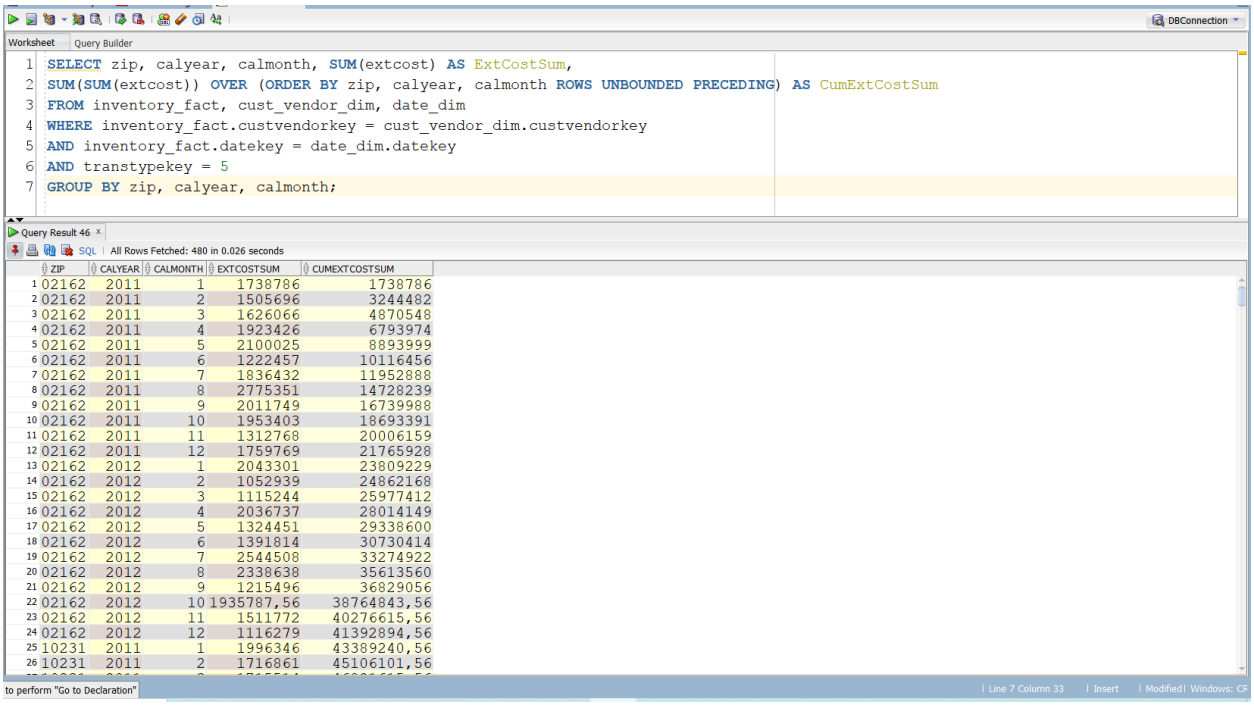
FROM inventory_fact, cust_vendor_dim, date_dim

WHERE inventory_fact.custvendorkey = cust_vendor_dim.custvendorkey

AND inventory_fact.datekey = date_dim.datekey

AND transtypekey = 5

GROUP BY zip, calyear, calmonth;



```
SELECT zip, calyear, calmonth, SUM(extcost) AS ExtCostSum,
SUM(SUM(extcost)) OVER (ORDER BY zip, calyear, calmonth ROWS UNBOUNDED PRECEDING) AS CumExtCostSum
FROM inventory_fact, cust_vendor_dim, date_dim
WHERE inventory_fact.custvendorkey = cust_vendor_dim.custvendorkey
AND inventory_fact.datekey = date_dim.datekey
AND transtypekey = 5
GROUP BY zip, calyear, calmonth;
```

Query Result 46 — All Rows Fetched: 480 in 0.026 seconds

	ZIP	CALYEAR	CALMONTH	EXTCOSTSUM	CUMEXTCOSTSUM
1	02162	2011	1	1738786	1738786
2	02162	2011	2	1505696	3244482
3	02162	2011	3	1626066	4870548
4	02162	2011	4	1923426	6793974
5	02162	2011	5	2100025	8893999
6	02162	2011	6	1222457	10116456
7	02162	2011	7	1836432	11952888
8	02162	2011	8	2775351	14728239
9	02162	2011	9	2011749	16739988
10	02162	2011	10	1953403	18693391
11	02162	2011	11	1312768	20006159
12	02162	2011	12	1759769	21765928
13	02162	2012	1	2043301	23809229
14	02162	2012	2	1052939	24862168
15	02162	2012	3	1115244	25977412
16	02162	2012	4	2036737	28014149
17	02162	2012	5	1324451	29338600
18	02162	2012	6	1391814	30730414
19	02162	2012	7	2544508	33274922
20	02162	2012	8	2338638	35613560
21	02162	2012	9	1215496	36829056
22	02162	2012	10	1935787,56	38764843,56
23	02162	2012	11	1511772	40276615,56
24	02162	2012	12	1116279	41392894,56
25	10231	2011	1	1996346	43389240,56
26	10231	2011	2	1716861	45106101,56

Query 5:

SELECT zip, calyear, calmonth, SUM(extcost) AS ExtCostSum,

SUM(SUM(extcost)) OVER (PARTITION BY zip, calyear ORDER BY zip, calyear, calmonth ROWS UNBOUNDED PRECEDING) AS CumExtCostSum

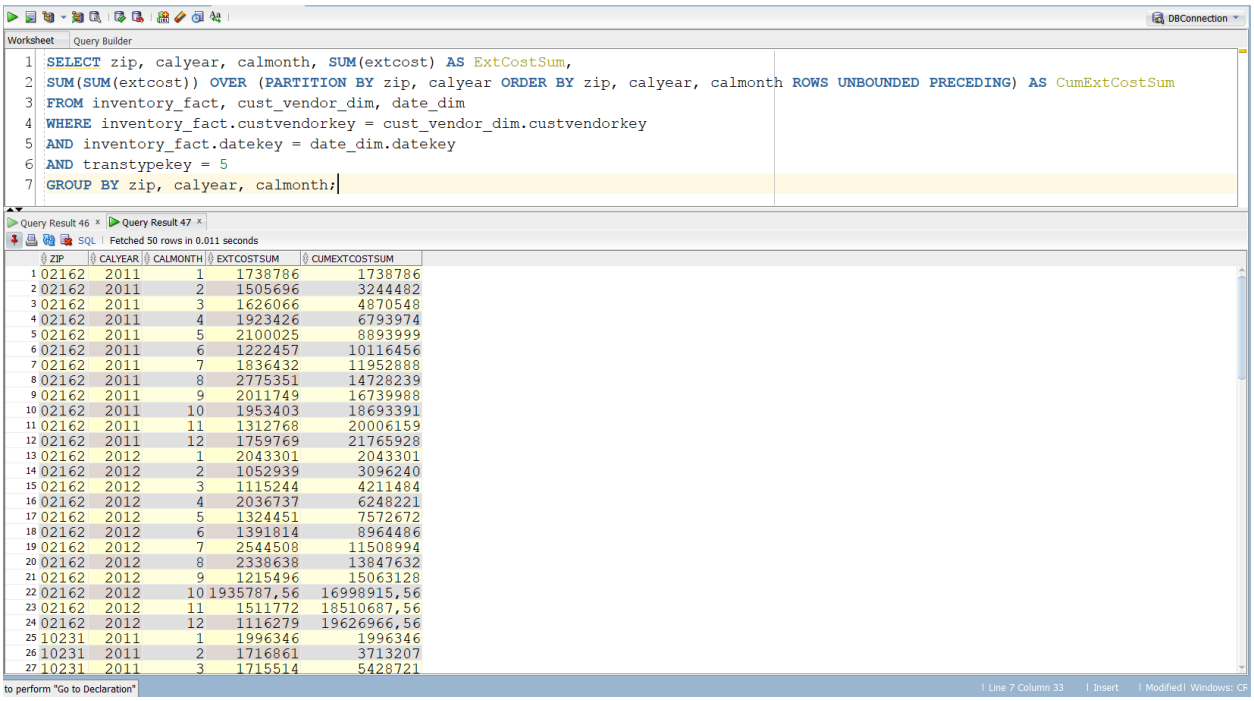
FROM inventory_fact, cust_vendor_dim, date_dim

WHERE inventory_fact.custvendorkey = cust_vendor_dim.custvendorkey

AND inventory_fact.datekey = date_dim.datekey

AND transtypekey = 5

GROUP BY zip, calyear, calmonth;



```
SELECT zip, calyear, calmonth, SUM(extcost) AS ExtCostSum,
SUM(SUM(extcost)) OVER (PARTITION BY zip, calyear ORDER BY zip, calyear, calmonth ROWS UNBOUNDED PRECEDING) AS CumExtCostSum
FROM inventory_fact, cust_vendor_dim, date_dim
WHERE inventory_fact.custvendorkey = cust_vendor_dim.custvendorkey
AND inventory_fact.datekey = date_dim.datekey
AND transtypekey = 5
GROUP BY zip, calyear, calmonth;
```

Query Result 47 — Fetched 50 rows in 0.011 seconds

	ZIP	CALYEAR	CALMONTH	EXTCOSTSUM	CUMEXTCOSTSUM
1	02162	2011	1	1738786	1738786
2	02162	2011	2	1505696	3244482
3	02162	2011	3	1626066	4870548
4	02162	2011	4	1923426	6793974
5	02162	2011	5	2100025	8893999
6	02162	2011	6	1222457	10116456
7	02162	2011	7	1836432	11952888
8	02162	2011	8	2775351	14728239
9	02162	2011	9	2011749	16739988
10	02162	2011	10	1953403	18693391
11	02162	2011	11	1312768	20006159
12	02162	2011	12	1759769	21765928
13	02162	2012	1	2043301	2043301
14	02162	2012	2	1052939	3096240
15	02162	2012	3	1115244	4211484
16	02162	2012	4	2036737	6248221
17	02162	2012	5	1324451	7572672
18	02162	2012	6	1391814	8964486
19	02162	2012	7	2544508	11508994
20	02162	2012	8	2338638	13847632
21	02162	2012	9	1215496	15063128
22	02162	2012	10	1935787,56	16998915,56
23	02162	2012	11	1511772	18510687,56
24	02162	2012	12	1116279	19626966,56
25	10231	2011	1	1996346	1996346
26	10231	2011	2	1716861	3713207
27	10231	2011	3	1715514	5428721

Query 6:

SELECT seconditemid, SUM(extcost) AS ExtCostSum,

RATIO_TO_REPORT(SUM(extcost)) OVER ()AS SumSalesRatio

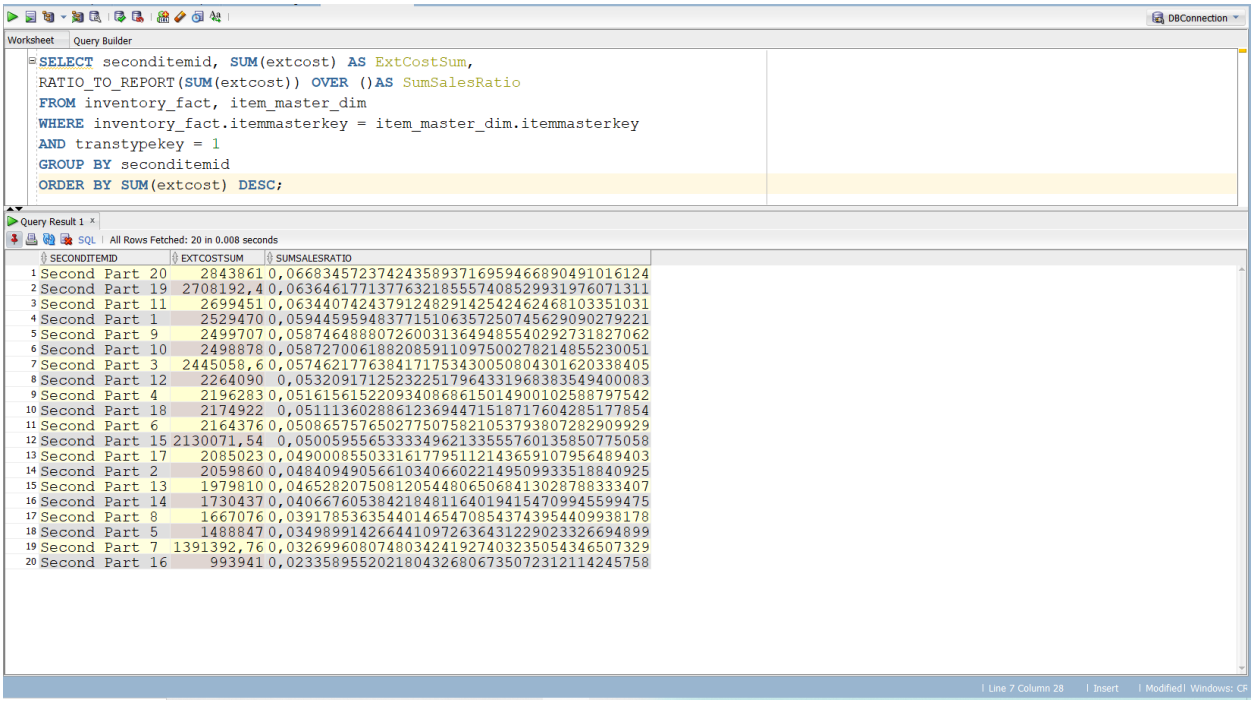
FROM inventory_fact, item_master_dim

WHERE inventory_fact.itemmasterkey = item_master_dim.itemmasterkey

AND transtypekey = 1

GROUP BY seconditemid

ORDER BY SUM(extcost) DESC;



```
SELECT seconditemid, SUM(extcost) AS ExtCostSum,
RATIO_TO_REPORT(SUM(extcost)) OVER ()AS SumSalesRatio
FROM inventory_fact, item_master_dim
WHERE inventory_fact.itemmasterkey = item_master_dim.itemmasterkey
AND transtypekey = 1
GROUP BY seconditemid
ORDER BY SUM(extcost) DESC;
```

	SECONDITEMID	EXTCOSTSUM	SUMSALESRATIO
1	Second Part 20	2843861	0,066834572374243589371695946689049101612 4
2	Second Part 19	2708192,4	0,063646177137763218555740852993197607131 1
3	Second Part 11	2699451	0,063440742437912482914254246246810335103 1
4	Second Part 1	2529470	0,059445959483771510635725074562909027922 1
5	Second Part 9	2499707	0,058746488807260031364948554029273182706 2
6	Second Part 10	2498878	0,058727006188208591109750027821485523005 1
7	Second Part 3	2445058,6	0,057462177638417175343005080430162033840 5
8	Second Part 12	2264090	0,053209171252322517964331968383549400008 3
9	Second Part 4	2196283	0,051615615220934086861501490010258879754 2
10	Second Part 18	2174922	0,051113602886123694471518717604285177854
11	Second Part 6	2164376	0,050865757650277507582105379380728290992 9
12	Second Part 15	2130071,54	0,050059556533334962133555760135850775058
13	Second Part 17	2085023	0,049000855033161779511214365910795648940 3
14	Second Part 2	2059860	0,048409490566103406602214950993351884092 5
15	Second Part 13	1979810	0,046528207508120544806506841302878833340 7
16	Second Part 14	1730437	0,040667605384218481164019415470994559947 5
17	Second Part 8	1667076	0,039178536354401465470854374395440993817 8
18	Second Part 5	1488847	0,034989914266441097263643122902332669489 9
19	Second Part 7	1391392,76	0,032699608074803424192740323505434650732 9
20	Second Part 16	993941	0,023358955202180432680673507231211424575 8

Query 7:

SELECT calyear, seconditemid, SUM(extcost) AS ExtCostSum,

RATIO_TO_REPORT(SUM(extcost)) OVER (PARTITION BY calyear)AS SumSalesRatio

FROM inventory_fact, item_master_dim, date_dim

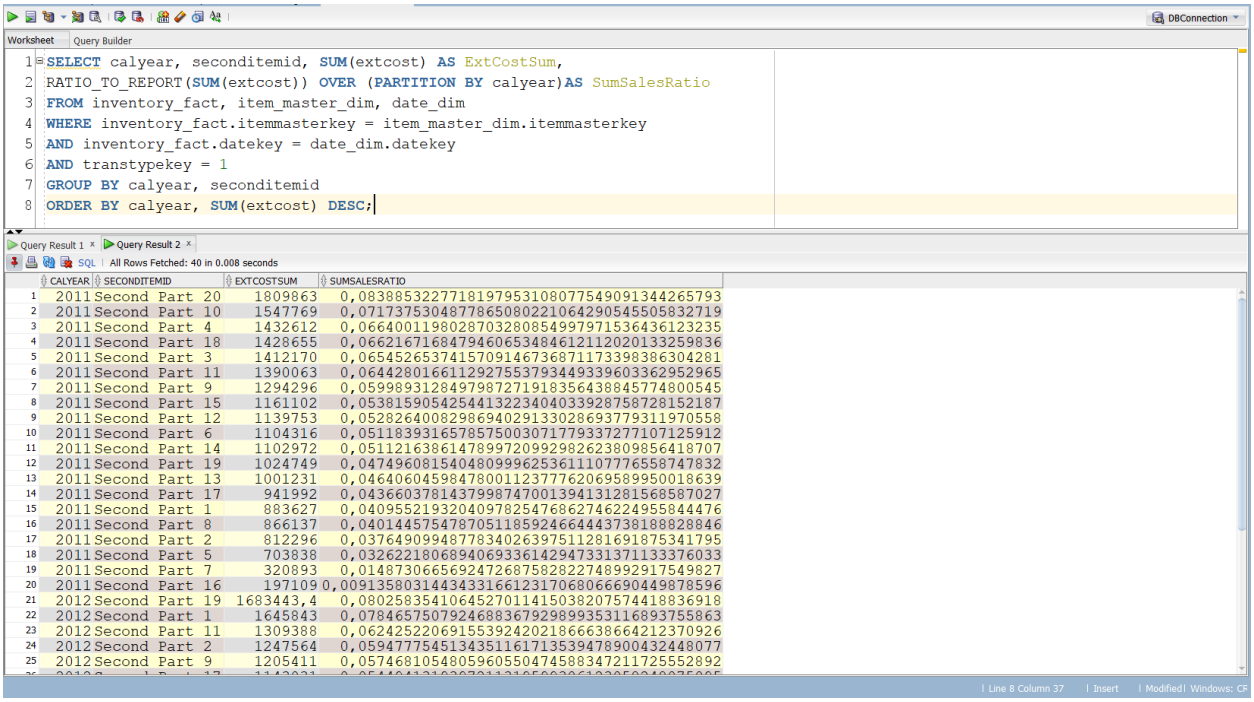
WHERE inventory_fact.itemmasterkey = item_master_dim.itemmasterkey

AND inventory_fact.datekey = date_dim.datekey

AND transtypekey = 1

GROUP BY calyear, seconditemid

ORDER BY calyear, SUM(extcost) DESC;



```
SELECT calyear, seconditemid, SUM(extcost) AS ExtCostSum,
RATIO_TO_REPORT(SUM(extcost)) OVER (PARTITION BY calyear)AS SumSalesRatio
FROM inventory_fact, item_master_dim, date_dim
WHERE inventory_fact.itemmasterkey = item_master_dim.itemmasterkey
AND inventory_fact.datekey = date_dim.datekey
AND transtypekey = 1
GROUP BY calyear, seconditemid
ORDER BY calyear, SUM(extcost) DESC;
```

	CALYEAR	SECONDITEMID	EXTCOSTSUM	SUMSALESRATIO
1	2011	Second Part 20	1809863	0,083885322771819795310807754909134426579 3
2	2011	Second Part 10	1547769	0,071737530487786508022106429054550583271 9
3	2011	Second Part 4	1432612	0,066400119802870328085499797153643612323 5
4	2011	Second Part 18	1428655	0,066216716847946065348461211202013325983 6
5	2011	Second Part 3	1412170	0,065452653741570914673687117339838630428 1
6	2011	Second Part 11	1390063	0,064428016611292755379344933960336295296 5
7	2011	Second Part 9	1294296	0,059989312849798727191835643884577480054 5
8	2011	Second Part 15	1161102	0,053815905425441322340403392875872815218 7
9	2011	Second Part 12	1139753	0,052826400829869402913302869377931197055 8
10	2011	Second Part 6	1104316	0,051183931657857500307177933727710712591 2
11	2011	Second Part 14	1102972	0,051121638614789972099298262380985641870 7
12	2011	Second Part 19	1024749	0,047496081540480999625361110777655874783 2
13	2011	Second Part 13	1001231	0,046406045984780011237776206958995001863 9
14	2011	Second Part 17	941992	0,043660378143799874700139413128156858702 7
15	2011	Second Part 1	883627	0,040955219320409782547686274622495584447 6
16	2011	Second Part 8	866137	0,040144575478705118592466444373818882884 6
17	2011	Second Part 2	812296	0,037649099487783402639751128169187534179 5
18	2011	Second Part 5	703838	0,032622180689406933614294733137113337603 3
19	2011	Second Part 7	320893	0,014873066569247268758282274899291754982 7
20	2011	Second Part 16	197109	0,009135803144343316612317068066690449878596
21	2012	Second Part 19	1683443,4	0,080258354106452701141503820757441883691 8
22	2012	Second Part 1	1645843	0,078465750792468836792989935311689375586 3
23	2012	Second Part 11	1309388	0,062425220691553924202186663866421237092 6
24	2012	Second Part 2	1247564	0,059477754513435116171353947890043244807 7
25	2012	Second Part 9	1205411	0,057468105480596055047458834721175255289 2

Query 8:

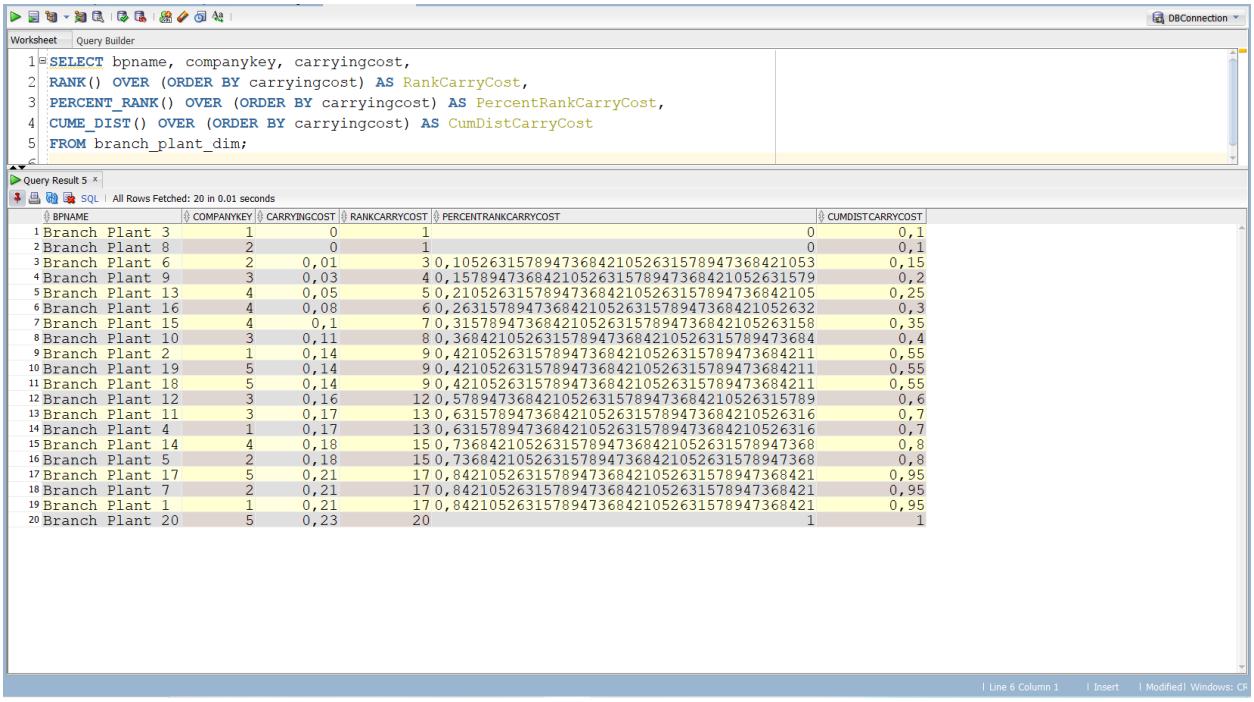
SELECT bpname, companykey, carryingcost,

RANK() OVER (ORDER BY carryingcost) AS RankCarryCost,

PERCENT_RANK() OVER (ORDER BY carryingcost) AS PercentRankCarryCost,

CUME_DIST() OVER (ORDER BY carryingcost) AS CumDistCarryCost

FROM branch_plant_dim;



```
SELECT bpname, companykey, carryingcost,
RANK() OVER (ORDER BY carryingcost) AS RankCarryCost,
PERCENT_RANK() OVER (ORDER BY carryingcost) AS PercentRankCarryCost,
CUME_DIST() OVER (ORDER BY carryingcost) AS CumDistCarryCost
FROM branch_plant_dim;
```

Query Result 5 — All Rows Fetched: 20 in 0.01 seconds

	BPNAME	COMPANYKEY	CARRYINGCOST	RANKCARRYCOST	PERCENTRANKCARRYCOST	CUMDISTCARRYCOST
1	Branch Plant 3	1	0	1	0	0,1
2	Branch Plant 8	2	0	1	0	0,1
3	Branch Plant 6	2	0,01	3	0,105263157894736842105263157894736842105	0,15
4	Branch Plant 9	3	0,03	4	0,157894736842105263157894736842105263158	0,2
5	Branch Plant 13	4	0,05	5	0,210526315789473684210526315789473684210	0,25
6	Branch Plant 16	4	0,08	6	0,263157894736842105263157894736842105263	0,3
7	Branch Plant 15	4	0,1	7	0,315789473684210526315789473684210526316	0,35
8	Branch Plant 10	3	0,11	8	0,368421052631578947368421052631578947368	0,4
9	Branch Plant 2	1	0,14	9	0,421052631578947368421052631578947368421	0,55
10	Branch Plant 19	5	0,14	9	0,421052631578947368421052631578947368421	0,55
11	Branch Plant 18	5	0,14	9	0,421052631578947368421052631578947368421	0,55
12	Branch Plant 12	3	0,16	12	0,578947368421052631578947368421052631578	0,6
13	Branch Plant 11	3	0,17	13	0,631578947368421052631578947368421052631	0,7
14	Branch Plant 4	1	0,17	13	0,631578947368421052631578947368421052631	0,7
15	Branch Plant 14	4	0,18	15	0,736842105263157894736842105263157894736	0,8
16	Branch Plant 5	2	0,18	15	0,736842105263157894736842105263157894736	0,8
17	Branch Plant 17	5	0,21	17	0,842105263157894736842105263157894736842	0,95
18	Branch Plant 7	2	0,21	17	0,842105263157894736842105263157894736842	0,95
19	Branch Plant 1	1	0,21	17	0,842105263157894736842105263157894736842	0,95
20	Branch Plant 20	5	0,23	20	1	1

Query 9:

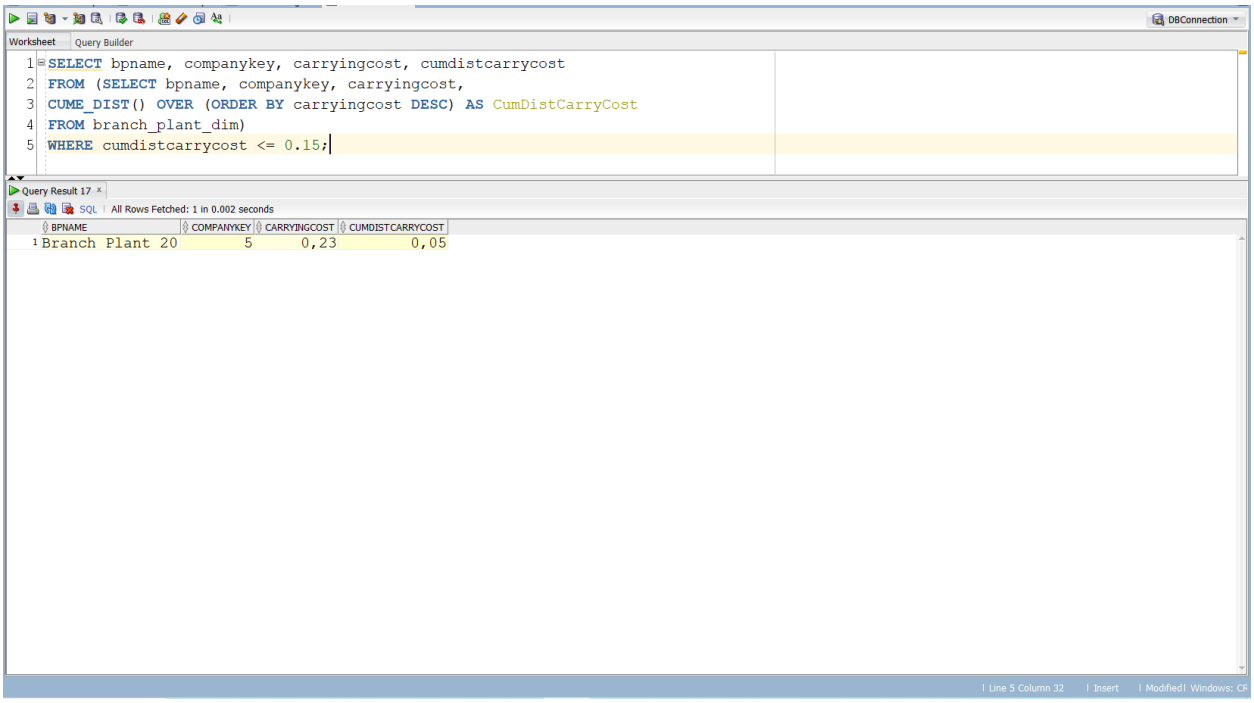
SELECT bpname, companykey, carryingcost, cumdistcarrycost

FROM (SELECT bpname, companykey, carryingcost,

CUME_DIST() OVER (ORDER BY carryingcost DESC) AS CumDistCarryCost

FROM branch_plant_dim)

WHERE cumdistcarrycost <= 0.15;



Query 10:

SELECT DISTINCT ExtCost,

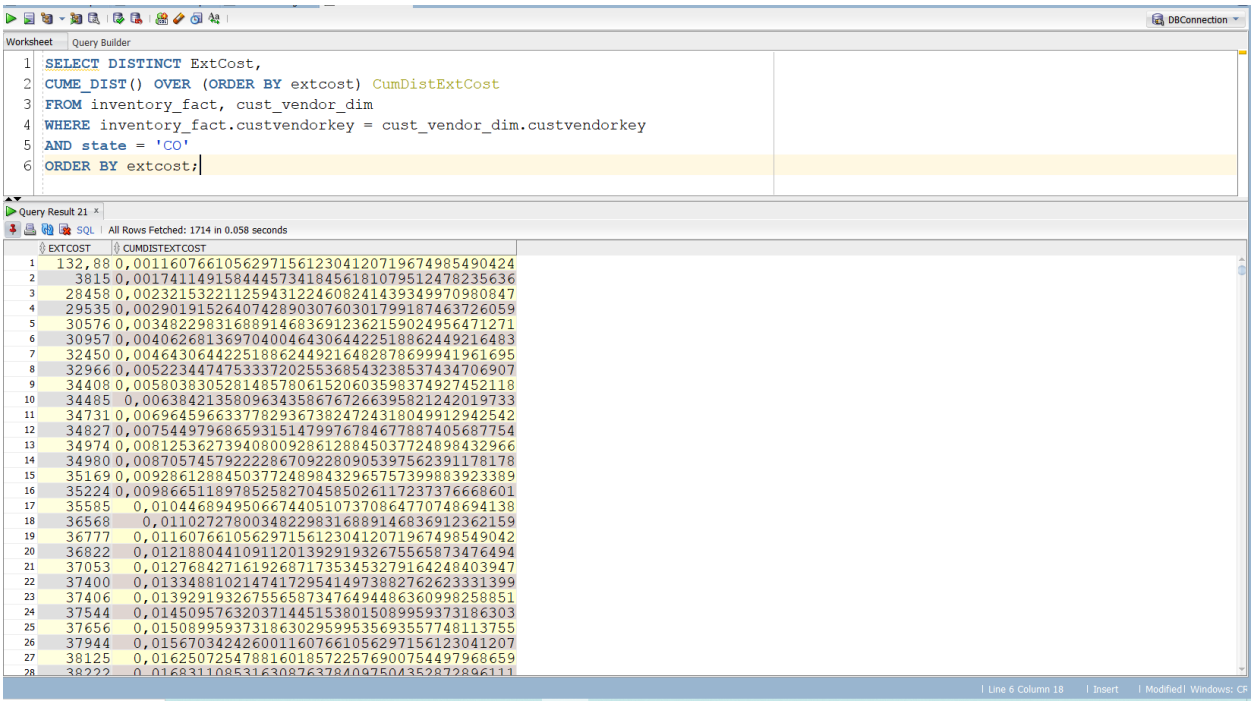
CUME_DIST() OVER (ORDER BY extcost) CumDistExtCost

FROM inventory_fact, cust_vendor_dim

WHERE inventory_fact.custvendorkey = cust_vendor_dim.custvendorkey

AND state = 'CO'

ORDER BY extcost;

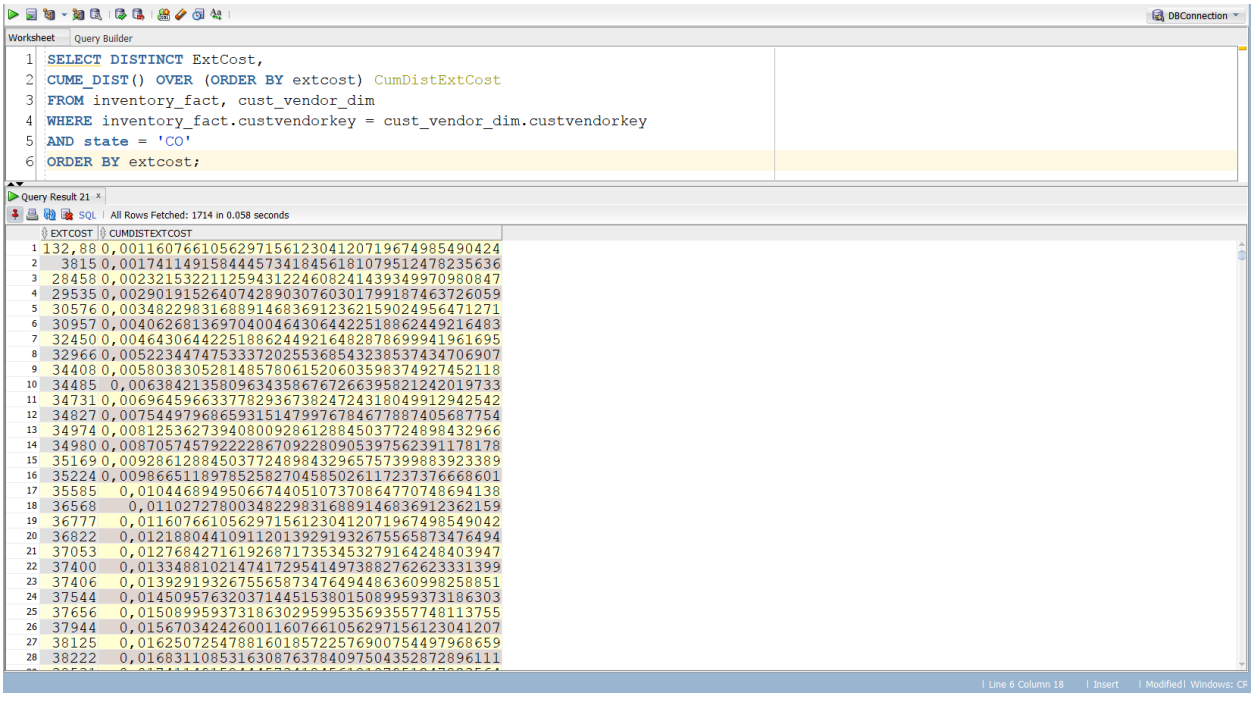


```
SELECT DISTINCT ExtCost,
CUME_DIST() OVER (ORDER BY extcost) CumDistExtCost
FROM inventory_fact, cust_vendor_dim
WHERE inventory_fact.custvendorkey = cust_vendor_dim.custvendorkey
AND state = 'CO'
ORDER BY extcost;
```

Query Result 21 — All Rows Fetched: 1714 in 0.058 seconds

	EXTCOST	CUMDISTEXTCOST
1	132,88	0,001160766105629715612304120719674985490424
2	3815	0,001741149158444573418456181079512478235636
3	28458	0,002321532211259431224608241439349970980847
4	29535	0,002901915264074289030760301799187463726059
5	30576	0,003482298316889146836912362159024956471271
6	30957	0,004062681369704004643064422518862449216483
7	32450	0,004643064422518862449216482878699941961695
8	32966	0,005223447475333720255368543238537434706907
9	34408	0,005803830528148578061520603598374927452118
10	34485	0,006384213580963435867672663958212420197 33
11	34731	0,006964596633778293673824724318049912942542
12	34827	0,007544979686593151479976784677887405687754
13	34974	0,008125362739408009286128845037724898432966
14	34980	0,008705745792222867092280905397562391178178
15	35169	0,009286128845037724898432965757399883923389
16	35224	0,009866511897852582704585026117237376668601
17	35585	0,010446894950667440510737086477074869 4138
18	36568	0,011027278003482298316889146836912362159
19	36777	0,011607661056297156123041207196749854 0042
20	36822	0,012188044109112013929193267556587347 6494
21	37053	0,012768427161926871735345327916424840 3947
22	37400	0,013348810214741729541497388276262333 1399
23	37406	0,013929193267556587347649448636099825 8851
24	37544	0,014509576320371445153801508995937318 6303
25	37656	0,015089959373186302959953569355774811 3755
26	37944	0,015670342426001160766105629715612304 1207
27	38125	0,016250725478816018572257690075449796 8659
28	38222	0,016831108531630876378409750435287289 6111

Line 6 Column 18 | Insert | Modified | Windows: CR



```
SELECT DISTINCT ExtCost,
CUME_DIST() OVER (ORDER BY extcost) CumDistExtCost
FROM inventory_fact, cust_vendor_dim
WHERE inventory_fact.custvendorkey = cust_vendor_dim.custvendorkey
AND state = 'CO'
ORDER BY extcost;
```

Query Result 21 — All Rows Fetched: 1714 in 0.058 seconds

	EXTCOST	CUMDISTEXTCOST
1	132,88	0,001160766105629715612304120719674985490424
2	3815	0,001741149158444573418456181079512478235636
3	28458	0,002321532211259431224608241439349970980847
4	29535	0,002901915264074289030760301799187463726059
5	30576	0,003482298316889146836912362159024956471271
6	30957	0,004062681369704004643064422518862449216483
7	32450	0,004643064422518862449216482878699941961695
8	32966	0,005223447475333720255368543238537434706907
9	34408	0,005803830528148578061520603598374927452118
10	34485	0,006384213580963435867672663958212420197 33
11	34731	0,006964596633778293673824724318049912942542
12	34827	0,007544979686593151479976784677887405687754
13	34974	0,008125362739408009286128845037724898432966
14	34980	0,008705745792222867092280905397562391178178
15	35169	0,009286128845037724898432965757399883923389
16	35224	0,009866511897852582704585026117237376668601
17	35585	0,010446894950667440510737086477074869 4138
18	36568	0,011027278003482298316889146836912362159
19	36777	0,011607661056297156123041207196749854 0042
20	36822	0,012188044109112013929193267556587347 6494
21	37053	0,012768427161926871735345327916424840 3947
22	37400	0,013348810214741729541497388276262333 1399
23	37406	0,013929193267556587347649448636099825 8851
24	37544	0,014509576320371445153801508995937318 6303
25	37656	0,015089959373186302959953569355774811 3755
26	37944	0,015670342426001160766105629715612304 1207
27	38125	0,016250725478816018572257690075449796 8659
28	38222	0,016831108531630876378409750435287289 6111

Line 6 Column 18 | Insert | Modified | Windows: CR