

Query 7

```

SELECT CompanyName,BPName,SUM(ExtCost) AS COSTSUM,SUM(Quantity) AS QuanSum
FROM Inventory_fact,branch_plant_dim,company_dim
WHERE Inventory_fact.BRANCHPLANTKEY = branch_plant_dim.BRANCHPLANTKEY AND
branch_plant_dim.COMPANYKEY = company_dim.COMPANYKEY AND
Inventory_fact.TransTypeKey = 2
GROUP BY CompanyName,BPName
UNION
SELECT CompanyName,NULL,SUM(ExtCost) AS COSTSUM,SUM(Quantity) AS QuanSum
FROM Inventory_fact,branch_plant_dim,company_dim
WHERE Inventory_fact.BRANCHPLANTKEY = branch_plant_dim.BRANCHPLANTKEY AND
branch_plant_dim.COMPANYKEY = company_dim.COMPANYKEY AND
Inventory_fact.TransTypeKey = 2
GROUP BY CompanyName
UNION
SELECT NULL,NULL,SUM(ExtCost) AS COSTSUM,SUM(Quantity) AS QuanSum
FROM Inventory_fact,branch_plant_dim,company_dim
WHERE Inventory_fact.BRANCHPLANTKEY = branch_plant_dim.BRANCHPLANTKEY AND
branch_plant_dim.COMPANYKEY = company_dim.COMPANYKEY AND
Inventory_fact.TransTypeKey = 2
ORDER BY 1,2;

```

COMPANYNAME	BPNAME	COSTSUM	QUANSUM
Company 1	Branch Plant 1	872065	1141
Company 1	Branch Plant 2	1452906	1183
Company 1	Branch Plant 3	-992788	-726
Company 1	Branch Plant 4	1011788	728
Company 1		2343971	2326
Company 2	Branch Plant 5	133624	-121
Company 2	Branch Plant 6	183894	130
Company 2	Branch Plant 7	488275	205
Company 2	Branch Plant 8	-269480	-289
Company 2		536313	-75
Company 3	Branch Plant 10	-546160	-590

COMPANYNAME	BPNAME	COSTSUM	QUANSUM
Company 3	Branch Plant 11	-468917	-403
Company 3	Branch Plant 12	24238	4
Company 3	Branch Plant 9	362990	533
Company 3		-627849	-456
Company 4	Branch Plant 13	-1262575	-1213
Company 4	Branch Plant 14	269750	401
Company 4	Branch Plant 15	-674220	-559

Company 4	Branch Plant 16	-526426	-574
Company 4		-2193471	-1945
Company 5	Branch Plant 17	1165434	1059
Company 5	Branch Plant 18	-670863	-693

COMPANYNAME	BPNAME	COSTSUM	QUANSUM
Company 5	Branch Plant 19	-282431	-114
Company 5	Branch Plant 20	-271104	-102
Company 5		-58964	150
	0	0	

26 rows selected

The screenshot shows the Oracle SQL Developer interface. The main window displays a SQL query in the Query Builder, which is a UNION of three SELECT statements. The query calculates COSTSUM and QUANSUM for various companies and branch plants. The Results pane at the bottom shows the output of the query, which matches the data shown in the text blocks above. The status bar at the bottom indicates '26 rows selected'.

Query:

```

SELECT CompanyName, BPName, SUM(ExtCost) AS COSTSUM, SUM(Quantity) AS Quansum
FROM Inventory_fact, branch_plant_dim, company_dim
WHERE Inventory_fact.BRANCHPLANTKEY = branch_plant_dim.BRANCHPLANTKEY AND branch_plant_dim.COMPANYKEY = company_dim.COMPANYKEY AND Inventory_fact.TransTypeKey = 1
GROUP BY CompanyName, BPName
UNION
SELECT CompanyName, NULL, SUM(ExtCost) AS COSTSUM, SUM(Quantity) AS Quansum
FROM Inventory_fact, branch_plant_dim, company_dim
WHERE Inventory_fact.BRANCHPLANTKEY = branch_plant_dim.BRANCHPLANTKEY AND branch_plant_dim.COMPANYKEY = company_dim.COMPANYKEY AND Inventory_fact.TransTypeKey = 2
GROUP BY CompanyName
UNION
SELECT NULL, NULL, SUM(ExtCost) AS COSTSUM, SUM(Quantity) AS Quansum
FROM Inventory_fact, branch_plant_dim, company_dim
WHERE Inventory_fact.BRANCHPLANTKEY = branch_plant_dim.BRANCHPLANTKEY AND branch_plant_dim.COMPANYKEY = company_dim.COMPANYKEY AND Inventory_fact.TransTypeKey = 3
ORDER BY 1,2;

```

Results:

Company 3	Branch Plant 12	24238	4
Company 3	Branch Plant 9	362990	533
Company 3		-627849	-456
Company 4	Branch Plant 13	-1262575	-1213
Company 4	Branch Plant 14	269750	401
Company 4	Branch Plant 15	-674220	-559
Company 4	Branch Plant 16	-526426	-574
Company 4		-2193471	-1945
Company 5	Branch Plant 17	1165434	1059
Company 5	Branch Plant 18	-670863	-693
COMPANYNAME	BPNAME	COSTSUM	QUANSUM
Company 5	Branch Plant 19	-282431	-114
Company 5	Branch Plant 20	-271104	-102
Company 5		-58964	150
	0	0	

26 rows selected