**Solution:**

SELECT B.bpname,C.companyname, SUM(I.quantity) as TotalQuantity, SUM(I.extcost) as TotalExtCost

FROM branch\_plant\_dim B

INNER JOIN company\_dim C on B.companykey = C.companykey

INNER JOIN inventory\_fact I on B.branchplantkey= I.branchplantkey

WHERE I.transtypekey = 2

GROUP BY C.companyname, B.bpname

UNION

SELECT NULL, C.companyname, SUM(I.quantity) as TotalQuantity, SUM(I.extcost) as TotalExtCost

FROM branch\_plant\_dim B

INNER JOIN company\_dim C on B.companykey = C.companykey

INNER JOIN inventory\_fact I on B.branchplantkey= I.branchplantkey

WHERE I.transtypekey = 2

GROUP BY C.companyname

UNION

SELECT NULL, NULL, SUM(I.quantity) as TotalQuantity, SUM(I.extcost) as TotalExtCost

FROM branch\_plant\_dim B

INNER JOIN company\_dim C on B.companykey = C.companykey

INNER JOIN inventory\_fact I on B.branchplantkey= I.branchplantkey

WHERE I.transtypekey = 2;

