Assign_4:

select T.TRANSDESCRIPTION,C.COMPANYNAME,B.BPNAME, count(*) as num_transac, sum(I.EXTCOST) as tot_extcost

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

        inner join TRANS_TYPE_DIM T on T.TRANSTYPEKEY=I.TRANSTYPEKEY

group by grouping sets((T.TRANSDESCRIPTION,C.COMPANYNAME,B.BPNAME),T.TRANSDESCRIPTION,C.COMPANYNAME,B.BPNAME,());

	TRANSDESCRIPTION	COMPANYNAME	BPNAME	NUM_TRANSAC	TOT_EXTCOST
1	Inventory Transfer	Company 1	Branch Plant 1	36	872065
2	Sales Order Shipment	Company 1	Branch Plant 1	427	41607474
3	Inventory Adjustement	Company 1	Branch Plant 1	30	3188065
4	Inventory Simple Issue	Company 1	Branch Plant 1	13	1135272
5	Purchase Order Receipt	Company 1	Branch Plant 1	386	3845522313
6	Inventory Transfer	Company 1	Branch Plant 2	33	1452906
7	Sales Order Shipment	Company 1	Branch Plant 2	435	44037689
8	Inventory Adjustement	Company 1	Branch Plant 2	22	2542496
9	Inventory Simple Issue	Company 1	Branch Plant 2	16	1518859
10	Purchase Order Receipt	Company 1	Branch Plant 2	413	4039660241