**Solution to Module 2**

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,());

