Problem 4:

Write an SQL statement to display the sum of the extended cost and the number of inventory transactions. The results should include data for all transaction types. Summarize the result by transaction description, company name, and branch plant name. The result should include the grouped columns and partial totals in order of the grouped columns (transaction description, company name, and branch plant name). Do not use the ROLLUP and UNION operators

Ans:

SELECT TransDescription, CompanyName, BPName, SUM(ExtCost),

COUNT(\*) AS NumTransactions

FROM Inventory\_Fact I

INNER JOIN Trans\_Type\_Dim T ON I.TransTypeKey = T.TransTypeKey

INNER JOIN Branch\_Plant\_Dim B ON I.BranchPlantKey = B.BranchPlantKey

INNER JOIN Company\_Dim C ON B.CompanyKey = C.CompanyKey

GROUP BY GROUPING SETS ((TransDescription, CompanyName, BPName),

(TransDescription, CompanyName), TransDescription, ())

ORDER BY TransDescription, CompanyName, BPName;

