a1. SELECT COUNT(SUBTOTAL) AS TOTAL\_ROWS, SUM(SUBTOTAL) AS TOTAL\_SALES FROM SALESLT.SALESORDERHEADER;

a2. SELECT COUNT(LINETOTAL) AS TOTAL\_ROWS, SUM(LINETOTAL) AS TOTAL\_SALES FROM SALESLT.SALESORDERDETAIL;

a3. SELECT SUM(A.SUBTOTAL) AS 'TOTAL SALES HEADER', SUM(B.LINETOTAL) AS 'TOTAL SALES DETAIL'

FROM SALESLT.SALESORDERHEADER AS A

INNER JOIN SALESLT.SALESORDERDETAIL AS B

ON B.SALESORDERID = A.SALESORDERID;

b.

SELECT A.COUNTRYREGION, SUM(S.SUBTOTAL) AS TOTAL\_SALES FROM SALESLT.CUSTOMERADDRESS C JOIN SALESLT.ADDRESS A ON A.ADDRESSID=C.ADDRESSID

JOIN SALESLT.SALESORDERHEADER S ON C.CUSTOMERID=S.CUSTOMERID

GROUP BY A.COUNTRYREGION;

AND

SELECT A.COUNTRYREGION, S.SUBTOTAL AS TOTAL\_SALES FROM SALESLT.CUSTOMERADDRESS C JOIN SALESLT.ADDRESS A ON A.ADDRESSID=C.ADDRESSID

JOIN SALESLT.SALESORDERHEADER S ON C.CUSTOMERID=S.CUSTOMERID

ORDER BY S.SUBTOTAL DESC;

c. SELECT A.COUNTRYREGION,A.STATEPROVINCE,A.CITY, SUM(S.SUBTOTAL) AS TOTAL\_SALES

FROM SALESLT.CUSTOMERADDRESS C

JOIN SALESLT.ADDRESS A ON A.ADDRESSID=C.ADDRESSID

JOIN SALESLT.SALESORDERHEADER S ON C.CUSTOMERID=S.CUSTOMERID

GROUP BY  A.COUNTRYREGION,A.STATEPROVINCE,A.CITY

ORDER BY SUM(S.SUBTOTAL) DESC;

d.

SELECT CONCAT(C.LASTNAME, ' ',C.FIRSTNAME) AS FULLNAME,SUM(SUBTOTAL) AS SALES

FROM SALESLT.SALESORDERHEADER AS S

INNER JOIN SALESLT.CUSTOMER AS C

ON C.CUSTOMERID= S.CUSTOMERID

GROUP BY CONCAT(C.LASTNAME, ' ',C.FIRSTNAME)

ORDER BY SALES DESC;

e.

SELECT C.COMPANYNAME AS COMPANYNAME,SUM(SUBTOTAL) AS SALES

FROM SALESLT.SALESORDERHEADER AS S

INNER JOIN SALESLT.CUSTOMER AS C

ON C.CUSTOMERID= S.CUSTOMERID

GROUP BY COMPANYNAME

ORDER BY SALES DESC;

f.

SELECT P.NAME,PC.NAME AS PRODUCTNAME, SUM(S.LINETOTAL) AS SALES

FROM SALESLT.SALESORDERDETAIL S

INNER JOIN SALESLT.PRODUCT P ON S.PRODUCTID = P.PRODUCTID

INNER JOIN SALESLT.PRODUCTCATEGORY PC ON P.PRODUCTCATEGORYID = PC.PRODUCTCATEGORYID

GROUP BY P.NAME,PC.NAME

ORDER BY SALES DESC;

g.

SELECT P.NAME AS PRODUCTNAME, SUM(S.LINETOTAL) AS SALES

FROM SALESLT.SALESORDERDETAIL S

INNER JOIN SALESLT.PRODUCT P

ON P.PRODUCTID = S.PRODUCTID

GROUP BY P.NAME

ORDER BY SALES DESC;

h.

**SELECT C.COMPANYNAME AS COMPANYNAME, ROUND(SUM(SOD.LINETOTAL), 2) AS TOTALSALES**

**FROM SALESLT.SALESORDERDETAIL SOD**

**JOIN SALESLT.SALESORDERHEADER SOH ON SOH.SALESORDERID = SOD.SALESORDERID**

**JOIN SALESLT.CUSTOMER AS C ON C.CUSTOMERID= SOH.CUSTOMERID**

**GROUP BY C.COMPANYNAME**

**ORDER BY TOTALSALES DESC;**

i **SELECT C.COMPANYNAME AS COMPANYNAME, PC.NAME, ROUND(SUM(SOD.LINETOTAL), 2) AS TOTALSALES**

**FROM SALESLT.SALESORDERDETAIL SOD**

**JOIN SALESLT.PRODUCT PR ON SOD.PRODUCTID = PR.PRODUCTID**

**JOIN SALESLT.PRODUCTCATEGORY PC ON PC.PRODUCTCATEGORYID = PR.PRODUCTCATEGORYID**

**JOIN SALESLT.SALESORDERHEADER SOH ON SOH.SALESORDERID = SOD.SALESORDERID**

**JOIN SALESLT.CUSTOMER AS C ON C.CUSTOMERID= SOH.CUSTOMERID**

**GROUP BY C.COMPANYNAME, PC.NAME**

**ORDER BY TOTALSALES DESC;**