Louis Ries

CIS310-01

A8

--1

SELECT ItemID, Description, ListPrice from PET..Merchandise where ListPrice > (SELECT AVG(LISTPRICE) FROM PET..MERCHANDISE)

--2

SELECT M.ITEMID, AVG(O.COST) AS "Average Cost", AVG(S.SALEPRICE) AS "Average Sale Price" FROM PET..MERCHANDISE M INNER JOIN PET..SALEITEM S ON M.ITEMID = S.ITEMID INNER JOIN PET..ORDERITEM O ON M.ITEMID = O.ITEMID group by M.ITEMID HAVING AVG(S.SALEPRICE) > (1.5\*avg(O.COST))

--3

SELECT E.EMPLOYEEID, E.LASTNAME, sum(si.quantity \* si.saleprice) AS "TOTALSALES", FORMAT(SUM(si.Quantity\*si.SalePrice)/(SELECT SUM(QUANTITY\*SALEPRICE) FROM PET..SALEITEM),'P') AS "PCTSALES"

FROM PET..EMPLOYEE E INNER JOIN PET..SALE S ON E.EMPLOYEEID = S.EmployeeID INNER JOIN PET..SaleItem SI ON S.SALEID = SI.SALEID GROUP BY E.EmployeeID, E.LastName

--4

SELECT TOP 1 S.SUPPLIERID, S.NAME, FORMAT(SUM(M.SHIPPINGCOST)/(SELECT SUM(SHIPPINGCOST) FROM PET..MERCHANDISEORDER),'P') AS PCTSHIPCOST FROM PET..SUPPLIER S INNER JOIN PET..MerchandiseOrder M ON

S.SUPPLIERID = M.SupplierID GROUP BY S.SupplierID, S.Name ORDER BY PCTSHIPCOST DESC

--5

SELECT TOP 1 Q.\*, (Q.MERCTOTAL+Q.ANIMALTOTAL) AS "GrandTotal" FROM (SELECT C.CUSTOMERID, C.LASTNAME, C.FIRSTNAME, (SELECT SUM(QUANTITY\*SALEPRICE) FROM PET..SALEITEM SI INNER JOIN PET..SALE S ON SI.SALEID = S.SALEID WHERE C.CUSTOMERID = S.CUSTOMERID) AS "MERCTOTAL", (SELECT SUM(SALEPRICE) FROM PET..SALEANIMAL SA

INNER JOIN PET..SALE S ON SA.SALEID = S.SALEID WHERE C.CUSTOMERID = S.CUSTOMERID) AS "ANIMALTOTAL" FROM PET..CUSTOMER C) Q ORDER BY (Q.MERCTOTAL+Q.ANIMALTOTAL) DESC

--6

SELECT C.CustomerID, C.LastName, C.FirstName, SUM(Si.Quantity\*Si.SalePrice) AS "MayTotal" FROM PET..Sale S Inner Join PET..Customer C ON S.CustomerID = C.CustomerID Inner Join PET..SaleItem Si ON S.SaleID = Si.SaleID WHERE MONTH(s.SaleDate) = 5

GROUP BY C.CustomerID, C.LastName, C.FirstName HAVING SUM(Si.Quantity\*Si.SalePrice) > 100 AND C.CUSTOMERID IN (SELECT CUSTOMERID FROM PET..SALE S INNER JOIN PET..SALEITEM SI ON SI.SaleID = S.SaleID GROUP BY S.CustomerID, MONTH(SALEDATE) HAVING MONTH(SALEDATE) = 10 AND SUM(SALEPRICE\*QUANTITY)>50)

--7

SELECT Q.Description, Q.ItemID, Q2.PURCHASED, Q.SOLD, Q2.PURCHASED-Q.SOLD AS "NetIncrease" FROM(

SELECT M.DESCRIPTION, M.ITEMID, SUM(SI.Quantity) as "SOLD" FROM PET..SALE S LEFT OUTER JOIN PET..SALEITEM SI ON SI.SALEID = S.SALEID LEFT OUTER JOIN PET..MERCHANDISE M ON M.ITEMID = SI.ITEMID WHERE M.DESCRIPTION = 'Dog Food-Can-Premium' AND S.SALEDATE BETWEEN '2004-01-01' AND '2004-06-01' GROUP BY M.Description, M.ITEMID) Q, (SELECT M.DESCRIPTION, M.ITEMID, SUM(O.QUANTITY) AS "PURCHASED" FROM PET..MERCHANDISE M LEFT OUTER JOIN PET..ORDERITEM O ON O.ITEMID = M.ITEMID LEFT OUTER JOIN PET..MERCHANDISEORDER MO ON MO.PONUMBER = O.PONUMBER WHERE M.DESCRIPTION = 'Dog Food-Can-Premium' AND MO.OrderDate BETWEEN '2004-01-01' AND '2004-06-01' GROUP BY M.Description, M.ITEMID) Q2

--8

SELECT M.ITEMID, DESCRIPTION, LISTPRICE FROM PET..MERCHANDISE M INNER JOIN PET..SALEITEM SI ON M.ITEMID = SI.ItemID INNER JOIN PET..SALE S ON SI.SaleID = S.SaleID WHERE LISTPRICE > 50 AND NOT MONTH(SALEDATE) = 7

--9

SELECT M.ITEMID, M.DESCRIPTION, M.QUANTITYONHAND, O.ITEMID, MO.ORDERDATE FROM PET..ORDERITEM O LEFT OUTER JOIN PET..MERCHANDISE M ON O.ITEMID = M.ITEMID LEFT OUTER JOIN PET..MERCHANDISEORDER MO ON O.PONUMBER = MO.PONUMBER WHERE M.QUANTITYONHAND > 100 AND YEAR(MO.ORDERDATE) <> 2004

--10

SELECT M.ITEMID, M.DESCRIPTION, M.QUANTITYONHAND, O.ITEMID FROM PET..ORDERITEM O LEFT JOIN PET..MERCHANDISE M ON O.ITEMID = M.ITEMID JOIN PET..MERCHANDISEORDER MO ON O.PONUMBER = MO.PONUMBER WHERE M.QUANTITYONHAND > 100 AND ORDERDATE NOT IN (SELECT ORDERDATE FROM PET..MERCHANDISEORDER WHERE YEAR(ORDERDATE)=2004)

--11

CREATE TABLE CustomerCategory(CATEGORY VARCHAR(4) NOT NULL, LOW INT, HIGH INT)

INSERT INTO CUSTOMERCATEGORY (CATEGORY, LOW, HIGH) VALUES ('Weak',0,200), ('Good',200,800), ('Best',800,10000)

select Q.CUSTOMERID, Q.LASTNAME, Q.FIRSTNAME, Q.GRANDTOTAL, (SELECT CATEGORY FROM CUSTOMERCATEGORY WHERE Q.GrandTotal >= LOW AND Q.GrandTotal < HIGH) as "Category" from(SELECT C.CUSTOMERID, C.LastName, C.FirstName, SUM(A.SalePrice) + SUM(I.SalePrice\*i.Quantity) AS "GrandTotal" FROM PET..CUSTOMER C LEFT OUTER JOIN PET..SALE S ON C.CustomerID = S.SaleID LEFT OUTER JOIN PET..SaleAnimal A ON S.SALEID = A.SaleID LEFT OUTER JOIN PET..SaleItem I ON S.SaleID = I.SaleID GROUP BY C.CustomerID, C.LastName, C.FirstName) Q WHERE GrandTotal IS NOT NULL

--12

SELECT DISTINCT S.NAME AS "Supplier Name", 'Animal' as "Order Type", A.OrderDate FROM PET..SUPPLIER S INNER JOIN PET..ANIMALORDER A ON S.SUPPLIERID = A.SUPPLIERID WHERE MONTH(A.OrderDate) = 6 UNION ALL

SELECT DISTINCT S.NAME AS "Supplier Name", 'Merchandise' as "Order Type", M.OrderDate FROM PET..SUPPLIER S INNER JOIN PET..MerchandiseOrder M ON S.SUPPLIERID = M.SUPPLIERID WHERE MONTH(M.OrderDate) = 6 ORDER BY s.Name