--1

SELECT ITEMID

FROM Merchandise

WHERE LISTPRICE > (SELECT AVG(LISTPRICE)

FROM MERCHANDISE);

--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..ORDERITEM O INNER JOIN PET..MERCHANDISE M ON O.ITEMID = M.ITEMID INNER JOIN PET..SALEITEM S

ON M.ITEMID = S.ITEMID

GROUP BY M.ITEMID

HAVING AVG(S.SALEPRICE) > 1.5\* AVG(O.COST)

--3

SELECT DISTINCT S.EMPLOYEEID, E.LASTNAME, SUM(SALEITEM.SALEPRICE\*QUANTITY) AS [TOTAL SALES],

(SUM(SALEITEM.SALEPRICE\*QUANTITY)/(SELECT SUM(SALEPRICE\*QUANTITY) FROM PET..SALEITEM)\*100) AS [PCT SALES]

FROM PET..EMPLOYEE E INNER JOIN PET..SALE S ON E.EMPLOYEEID = S.EMPLOYEEID

INNER JOIN PET..SALEITEM ON S.SALEID = SALEITEM.SALEID

GROUP BY S.EMPLOYEEID, E.LASTNAME

ORDER BY S.EMPLOYEEID

--4

SELECT TOP 1 S.SUPPLIERID, S.NAME, AVG((MERCHANDISEORDER.SHIPPINGCOST/O.COST\*QUANTITY)\*100) AS [PCTSHIPCOST]

FROM PET..SUPPLIER S INNER JOIN PET..MERCHANDISEORDER ON S.SUPPLIERID = MERCHANDISEORDER.SUPPLIERID INNER JOIN

PET..ORDERITEM O ON MERCHANDISEORDER.PONUMBER = O.PONUMBER

GROUP BY S.SUPPLIERID, S.NAME

ORDER BY PCTSHIPCOST DESC

--5

SELECT TOP 1 S.CUSTOMERID, C.LASTNAME, C. FIRSTNAME, SUM(I.SALEPRICE\*QUANTITY) AS [MERCH TOTAL],

SUM(A.SALEPRICE) AS [ANIAMLTOTAL], SUM(I.SALEPRICE\*QUANTITY+A.SALEPRICE) AS [GRANDTOTAL]

FROM PET..SALE S INNER JOIN PET..CUSTOMER C ON S.CUSTOMERID = C.CUSTOMERID INNER JOIN PET..SALEITEM I ON S.SALEID

= I.SALEID INNER JOIN PET..SALEANIMAL A ON S.SALEID = A.SALEID

GROUP BY FIRSTNAME, LASTNAME, S.CUSTOMERID

ORDER BY GRANDTOTAL DESC

--6

SELECT S.CUSTOMERID, LASTNAME, FIRSTNAME, SUM(SALEPRICE\*QUANTITY) AS [MAY TOTAL]

FROM PET..SALE S INNER JOIN PET..CUSTOMER C ON S.CUSTOMERID = C.CUSTOMERID

INNER JOIN PET..SALEITEM I ON S.SALEID = I.SALEID

GROUP BY FIRSTNAME, LASTNAME, S.CUSTOMERID, SALEDATE

HAVING (MONTH(SALEDATE)=5 AND SUM(SALEPRICE\*QUANTITY)>100) AND

S.CUSTOMERID IN (SELECT CUSTOMERID

FROM PET..SALE S INNER JOIN PET..SALEITEM I ON S.SALEID = I.SALEID

GROUP BY CUSTOMERID, SALEDATE

HAVING MONTH(SALEDATE)=10 AND SUM(SALEPRICE\*QUANTITY)>50)

--7

SELECT DESCRIPTION, M.ITEMID, (SELECT SUM(QUANTITY) FROM PET..ORDERITEM O INNER JOIN PET..MERCHANDISEORDER MO ON O.PONUMBER = MO.PONUMBER

WHERE ITEMID = (SELECT ITEMID FROM PET..MERCHANDISE WHERE DESCRIPTION = 'Dog Food-Can-Premium')

AND ORDERDATE BETWEEN '2004-01-01' AND '2004-06-30') AS [PURCHASED],

(SELECT SUM(QUANTITY) FROM PET..SALEITEM I INNER JOIN PET..SALE S ON S.SALEID = I.SALEID

WHERE ITEMID = (SELECT ITEMID FROM PET..MERCHANDISE WHERE DESCRIPTION = 'Dog Food-Can-Premium')

AND SALEDATE BETWEEN '2004-01-01' AND '2004-06-30') AS [SOLD],

(SELECT SUM(QUANTITY) FROM PET..ORDERITEM O INNER JOIN PET..MERCHANDISEORDER MO ON O.PONUMBER = MO.PONUMBER

WHERE ItemID = (SELECT ITEMID FROM PET..MERCHANDISE WHERE DESCRIPTION = 'Dog Food-Can-Premium')

AND ORDERDATE BETWEEN '2004-01-01' AND '2004-06-30')-

(SELECT SUM(QUANTITY) FROM PET..SALEITEM I INNER JOIN PET..SALE S ON S.SALEID = I.SALEID

WHERE ITEMID = (SELECT ITEMID FROM PET..MERCHANDISE WHERE DESCRIPTION = 'Dog Food-Can-Premium')

AND SALEDATE BETWEEN '2004-01-01' AND '2004-06-30') AS [NET CHANGE]

FROM PET..MERCHANDISE M

WHERE ITEMID = (SELECT ITEMID FROM PET..MERCHANDISE WHERE DESCRIPTION = 'Dog Food-Can-Premium')

--8

SELECT DISTINCT M.ITEMID, DESCRIPTION, LISTPRICE

FROM PET..Merchandise M INNER JOIN PET..SALEITEM I ON M.ITEMID = I.ITEMID INNER JOIN

PET..SALE S ON I.SALEID = S.SaleID

WHERE LISTPRICE > 50 AND MONTH(SALEDATE) <> 7

--9

SELECT M.ITEMID, DESCRIPTION, QUANTITYONHAND, I.ITEMID

FROM PET..MERCHANDISE M LEFT OUTER JOIN PET..ORDERITEM I ON M.ITEMID = I.ITEMID LEFT OUTER JOIN

PET..MERCHANDISEORDER MO ON I.PONUMBER = MO.PONUMBER

WHERE QUANTITYONHAND > 100 AND I.ITEMID IS NULL

--10

SELECT M.ITEMID, DESCRIPTION, QUANTITYONHAND, M.ITEMID

FROM PET..Merchandise M INNER JOIN PET..SALEITEM I ON M.ITEMID = I.ITEMID INNER JOIN

PET..SALE S ON I.SALEID = S.SaleID

WHERE QUANTITYONHAND > 100 AND SALEDATE IN

(SELECT S.SALEDATE

FROM PET..SALE S

WHERE YEAR(SALEDATE) <> 2004)

--11

SELECT C.CUSTOMERID, LASTNAME, FIRSTNAME, SUM(I.SALEPRICE \* QUANTITY + A.SALEPRICE) AS [GRAND TOTAL], CUSTOMERCATEGORY

FROM PET..SALE S INNER JOIN PET..CUSTOMER C ON S.CUSTOMERID = C.CUSTOMERID INNER JOIN PET..SALEITEM I ON S.SALEID

= I.SALEID INNER JOIN PET..SALEANIMAL A ON S.SALEID = A.SALEID

GROUP BY C. CUSTOMERID

CREATE TABLE CUSTOMERCATEGORY

(

CATEGORYNUM INT NOT NULL,

CATEGORYNAME INT NOT NULL,

LOW INT,

HIGH INT

)

ALTER TABLE CUSTOMERCATEGORY

ADD CONSTRAINT PK\_CATEGORYNUM PRIMARY KEY

INSERT INTO CUSTOMERCATEGORY VALUES

(1, 'WEAK',0,200),

(2, 'GOOD',201,800),

(3, 'BEST',801,10000)

--12

SELECT S.NAME, 'ANIMAL' AS [ORDER TYPE]

FROM PET..SUPPLIER S INNER JOIN PET..ANIMALORDER A ON S.SUPPLIERID = A.SUPPLIERID

WHERE MONTH(A.ORDERDATE) = 6

UNION

SELECT S.NAME, 'MERCHANDISE' AS [ORDER TYPE]

FROM PET..SUPPLIER S INNER JOIN PET..MERCHANDISEORDER MO ON S.SUPPLIERID = MO.SUPPLIERID

WHERE MONTH(MO.ORDERDATE) = 6