מסדי נתונים מטלה -1

1. השאילתה מחזירה עבור כל ספק את שם הספק (company name) ואת הטלפון שלו, את הזמן שנותר עד לתאריך המשלוח הקרוב ביותר להיום(התנאי השני) או pass כלומר התאריך כבר עבר, מתוך ההזמנות שעדיין לא נשלחו ונשאר שבוע או פחות מהיום עד זמן המשלוח הרצוי ( כולל אם הזמן יעד שלהם עבר מזמן כבר).

2.

SELECT

p.ProductID,

productName,

SUM(o.Quantity) AS totalQuantity,

CONCAT('$',

ROUND(SUM(o.UnitPrice \* o.Quantity), 2)) AS totalPrice,

CONCAT('$',

ROUND(SUM(o.UnitPrice \* o.Quantity) / SUM(o.Quantity),

2)) AS WeightedAvgPrice,

CONCAT('$', ROUND(AVG(o.UnitPrice), 2)) AS AvgPrice,

CONCAT('$', ROUND(p.UnitPrice, 2)) AS CurrentPrice

FROM

products AS p

INNER JOIN

`order details` AS o ON p.ProductID = o.ProductID

GROUP BY p.ProductID

ORDER BY p.UnitPrice;

3.

SELECT

p.ProductID,

P.ProductName,

p.SupplierID,

s.CompanyName,

s.Phone,

CASE

WHEN p.UnitsInStock >= 100 THEN 0

ELSE 100 - p.UnitsInStock

END AS 'to order'

FROM

products AS p

INNER JOIN

suppliers AS s ON p.SupplierID = s.SupplierID

WHERE

p.UnitsInStock + p.UnitsOnOrder < 10;

4.

SELECT

e.EmployeeID,

e.FirstName,

e.LastName,

e.HomePhone,

DATE\_ADD(MAX(o.OrderDate),

INTERVAL 7 DAY) AS `insulation ends at...`

FROM

employees AS e

INNER JOIN

orders AS o ON e.EmployeeId = o.EmployeeID

WHERE

o.OrderDate IN (SELECT

OrderDate

FROM

orders

WHERE

orders.EmployeeID = 8

AND OrderDate BETWEEN '1998-05-01' AND '1998-05-08')

AND o.EmployeeID <> 8

GROUP BY EmployeeID;

5.

SELECT

p.ProductName,

c.CompanyName,

YEAR(o.OrderDate) AS `OrderYear`,

case

when (quarter(o.OrderDate) = 1) then floor(sum(od.Quantity \* od.UnitPrice)) else 0 end as 'Qrt1',

case

when (quarter(o.OrderDate) = 2) then floor(sum(od.Quantity \* od.UnitPrice)) else 0 end as 'Qrt2',

case

when (quarter(o.OrderDate) = 3) then floor(sum(od.Quantity \* od.UnitPrice)) else 0 end as 'Qrt3',

case

when (quarter(o.OrderDate) = 4) then floor(sum(od.Quantity \* od.UnitPrice)) else 0 end as 'Qrt4'

FROM

products AS p

INNER JOIN

`order details` AS od ON p.ProductID = od.ProductID

INNER JOIN

orders AS o ON od.OrderID = o.OrderID

INNER JOIN

Customers AS c ON o.CustomerID = c.CustomerID

group by p.ProductID, c.CompanyName, OrderYear

ORDER BY p.ProductName , c.CompanyName, OrderYear;