

SQL Practice Problems

Tables:

Shippers : ShipperID, CompanyName, Phone
Categories : CategoryName, Description
Employees : FirstName, LastName, HireDate, Country,
EmployeeID, BirthDate
Orders : OrderID, OrderDate, EmployeeID, ShipCountry,
ShipVia
Suppliers : SupplierID, ContactName, ContactTitle,
CompanyName, Address, City, Region, PostalCode,
Country, Phone, Fax, HomePage
Products : ProductID, ProductName, SupplierID, CategoryID,
QuantityPerUnit, UnitPrice, UnitsInStock,
UnitsOnOrder, ReorderLevel, Discontinued
OrderDetails: OrderID, ProductID, UnitPrice, Quantity, TotalPrice
Customers : Country, ContactTitle
Orders : OrderDate

Problems

1. select * from shippers
2. select CategoryName, Description from Categories
3. select FirstName, LastName, HireDate from Employees
where Title = "Sales Representative"
4. select FirstName, LastName, HireDate from Employees
where Title = "Sales Representative" and
Country = "USA"
5. select OrderID, OrderDate from Orders
where EmployeeID = 5
6. select SupplierID, ContactName, ContactTitle from Suppliers
where ContactTitle <> "Marketing Manager"
7. select ProductID, ProductName from Products
where ProductName like "*queso*" or "%queso%"
8. select OrderID, CustomerID, ShipCountry from Orders
where ShipCountry = 'France'
or ShipCountry = 'Belgium'
9. Select OrderID, CustomerID, ShipCountry From Orders
Where ShipCountry in ('Brazil', 'Mexico', 'Argentina', 'Venezuela')
10. select FirstName, LastName, Title, BirthDate from Employees
order by BirthDate
11. select FirstName, LastName, Title,
DateOnlyBirthDate=Convert(date, BirthDate) from Employees
order by BirthDate
12. select FirstName, LastName,
FullName = FirstName+' '+ LastName from Employee
#sqldf python version
select FirstName || ' ' || LastName FullName

13. select OrderID, ProductID, UnitPrice, Quantity,
TotalPrice = UnitPrice * Quantity
from OrderDetails
order by OrderID, ProductID
#sqldf python version
UnitPrice * Quantity TotalPrice
14. select count(*) TotalCustomers from Customers
15. select min(OrderDate) FirstOrder from Orders
16. select Country from Customers group by Country
or select distinct Country from Customers
17. select ContactTitles,
count(*) TotalContactTitle
from Customers
group by ContactTitles
order by count(*) desc
18. select ProductID, ProductName,
CompanyName as Supplier from Products P
inner join Suppliers S on S.SupplierID = P.SupplierID
19. select OrderID,
Convert(date,OrderDate) OrderDate,
CompanyName as Shipper,
from Orders o join shipper s on s.ShipperID = o.ShipVia
where OrderID < 10300
order by OrderID