SQL Homework Tasks:

1.1

USE Northwind

SELECT CustomerID, CompanyName, Address, City, Region, PostalCode, Country FROM Customers

WHERE City = 'Paris' OR City = 'London';

1.2 and 1.3

USE Northwind

SELECT ProductName, CompanyName, Country FROM Products

JOIN Suppliers ON Products.SupplierID = Suppliers.SupplierID

WHERE QuantityPerUnit LIKE '%bottles%';

1.4

USE Northwind

SELECT CategoryName, COUNT(Categories.CategoryID) AS 'Products per category' FROM Products

JOIN Categories on Products.CategoryID = Categories.CategoryID

GROUP BY Categories.CategoryID, Categories.CategoryName

ORDER BY COUNT(Categories.CategoryID) DESC;

1.5

USE Northwind

SELECT (TitleOfCourtesy + ' ' + FirstName + ' ' + LastName) AS 'Name', City FROM Employees;

1.6

USE Northwind

SELECT RegionDescription, ROUND(SUM(UnitPrice \* Quantity), 0) AS TotalSales FROM Territories

FULL JOIN Region on Territories.RegionID = Region.RegionID

FULL JOIN EmployeeTerritories on EmployeeTerritories.TerritoryID = Territories.TerritoryDescription

FULL JOIN Orders on EmployeeTerritories.EmployeeID = Orders.EmployeeID

FULL JOIN [Order Details] on orders.OrderID = [Order Details].OrderID

GROUP BY RegionDescription HAVING SUM(UnitPrice \*Quantity) > 1000000;

1.7

USE Northwind

SELECT COUNT(OrderID) AS 'Orders with freight over 100.00' FROM Orders

WHERE Freight > 100.00 AND (ShipCountry = 'USA' or ShipCountry = 'UK');

1.8

USE Northwind

SELECT TOP(1) [Order Details].OrderID, ROUND(SUM(UnitPrice\*Quantity), 2) AS 'Price Total', ROUND(SUM((UnitPrice\*Quantity)\*Discount), 2) AS 'Reduction'

FROM [Order Details]

GROUP BY OrderID

Order BY Reduction DESC;