1.1

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

FROM Customers

WHERE City IN('London', 'Paris');



1.2

SELECT ProductName

FROM Products

WHERE QuantityPerUnit LIKE '%bottles%';



1.3

SELECT Products.ProductName, Suppliers.CompanyName, Suppliers.Country

FROM Products

INNER JOIN Suppliers ON Products.SupplierID = Suppliers.SupplierID

WHERE QuantityPerUnit LIKE '%bottles%';



1.4

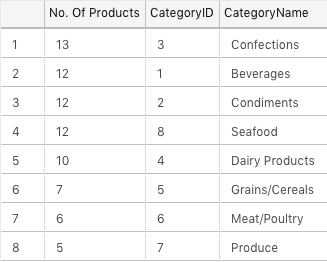
SELECT COUNT(ProductName) AS 'No. Of Products', Products.CategoryID, Categories.CategoryName

FROM Products

INNER JOIN Categories ON Products.CategoryID = Categories.CategoryID

GROUP BY Products.CategoryID, Categories.CategoryName

ORDER BY [No. Of Products] DESC;

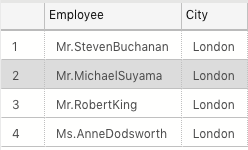


1.5

SELECT CONCAT(TitleOfCourtesy, FirstName, LastName) AS 'Employee', City

FROM Employees

WHERE Country = 'UK'



1.6

SELECT Region.RegionDescription, FORMAT(SUM([Order Details].Quantity \* [Order Details].UnitPrice), 'C', 'eng-us') AS 'sales'

FROM Territories

INNER JOIN Region ON Territories.RegionID = Region. RegionID

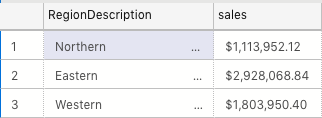
INNER JOIN EmployeeTerritories ON Territories.TerritoryID = EmployeeTerritories.TerritoryID

INNER JOIN Orders ON EmployeeTerritories.EmployeeID = Orders.EmployeeID

INNER JOIN [Order Details] ON Orders.OrderID = [Order Details].[OrderID]

GROUP BY Region.RegionDescription

HAVING SUM([Order Details].Quantity \* [Order Details].UnitPrice) > 1000000



1.7

SELECT COUNT(\*)

FROM orders

WHERE Freight > 100 AND ShipCountry IN('USA', 'UK');



1.8

SELECT TOP 1 OrderID, Discount

FROM [Order Details]

ORDER BY Discount DESC



2.1

CREATE TABLE engineering29

(

Title VARCHAR(5) NOT NULL,

FirstName VARCHAR(50) NOT NULL,

LastName VARCHAR(50) NOT NULL,

UniversityAttended VARCHAR (100),

CourseTaken VARCHAR(50),

MarkAcheived VARCHAR(5),

YearGraduated INT

)

2.2

);

INSERT INTO engineering29

(

Title, FirstName, LastName, UniversityAttended, CourseTaken, MarkAcheived, YearGraduated

)

VALUES

(

'Mr', 'Philip', 'Faboya', 'University of Surrey', 'Chemical Engineering', '2:2', 2016

);

INSERT INTO engineering29

(

Title, FirstName, LastName, UniversityAttended, CourseTaken, MarkAcheived, YearGraduated

)

VALUES

(

'Mr', 'Benjamin', 'Owusu-Sekyere', 'London South Bank', 'Business with Finance', NULL, 2018

);

INSERT INTO engineering29

(

Title, FirstName, LastName, UniversityAttended, CourseTaken, MarkAcheived, YearGraduated

)

VALUES

(

'Miss', 'Moura', 'Akkari', 'Queen Mary', 'MSc Bioinformatics', 'Merit', 2018

);

INSERT INTO engineering29

(

Title, FirstName, LastName, UniversityAttended, CourseTaken, MarkAcheived, YearGraduated

)

VALUES

(

'Mr', 'arthur', 'Hussey', 'University of Oxford', 'MEng Materials', '1st', 2018

);

INSERT INTO engineering29

(

Title, FirstName, LastName, UniversityAttended, CourseTaken, MarkAcheived, YearGraduated

)

VALUES

(

'Mr', 'Taher', 'Khan', 'London South Bank', 'Information Technology', '1st', 2017

);

INSERT INTO engineering29

(

Title, FirstName, LastName, UniversityAttended, CourseTaken, MarkAcheived, YearGraduated

)

VALUES

(

'Mr', 'Aaron', 'Leslie', 'Queen Mary', 'Mathe,atics', NULL, 2017

);

INSERT INTO engineering29

(

Title, FirstName, LastName, UniversityAttended, CourseTaken, MarkAcheived, YearGraduated

)

VALUES

(

'Mr', 'Christopher', 'Baker', 'University College London', 'Digital Humanities', 'Merit', 2018

);

INSERT INTO engineering29

(

Title, FirstName, LastName, UniversityAttended, CourseTaken, MarkAcheived, YearGraduated

)

VALUES

(

'Mr', 'Robert', 'Teal', 'Leeds Beckett', 'MSc Sound & Music for Interactive Games', NULL, 2018

);

INSERT INTO engineering29

(

Title, FirstName, LastName, UniversityAttended, CourseTaken, MarkAcheived, YearGraduated

)

VALUES

(

'Mr', 'James', 'Bachen', 'Bournemouth University', 'Music and Audio technology', NULL, 2018

);

INSERT INTO engineering29

(

Title, FirstName, LastName, UniversityAttended, CourseTaken, MarkAcheived, YearGraduated

)

VALUES

(

'Mr', 'Seb', 'Van Woerkom', 'University of Kent', 'American and English Literature & History of Art', NULL, 2018

);

INSERT INTO engineering29

(

Title, FirstName, LastName, UniversityAttended, CourseTaken, MarkAcheived, YearGraduated

)

VALUES

(

'Miss', 'Qamar', 'Aden', 'University of Portsmorth', 'Petroleum Engineering', NULL, 2018

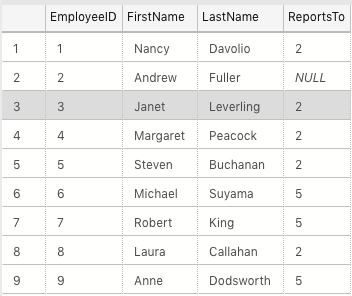
);



3.1

SELECT EmployeeID, FirstName, LastName, ReportsTo

FROM Employees



3.2

SELECT SUM([Order Details].UnitPrice \* Quantity \* (1-Discount)) AS 'Sale', Suppliers.CompanyName

FROM [Order Details]

INNER JOIN Products ON [Order Details].[ProductID] = Products.ProductID

INNER JOIN Suppliers ON Products.SupplierID = Suppliers.SupplierID

GROUP BY Suppliers.CompanyName

HAVING SUM([Order Details].UnitPrice \* Quantity \* (1-Discount)) > 10000

ORDER BY SUM([Order Details].UnitPrice \* Quantity) DESC;





3.3

SELECT TOP 10 Customers.CompanyName, SUM([Order Details].Quantity \* [Order Details].UnitPrice) AS 'Value', Orders.ShippedDate

FROM Customers

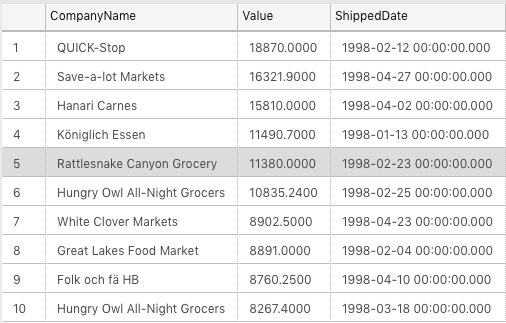
INNER JOIN Orders ON Customers.CustomerID = Orders.CustomerID

INNER JOIN [Order Details] ON Orders.OrderID = [Order Details].OrderID

GROUP BY Customers.CompanyName, Orders.ShippedDate

HAVING orders.ShippedDate > '1997-12-31'

ORDER BY SUM([Order Details].Quantity \* [Order Details].UnitPrice) DESC;



3.4

SELECT AVG(DATEDIFF(DAY, OrderDate, ShippedDate)) AS 'Ship Time', CONVERT(VARCHAR(7), ShippedDate, 111) AS 'ShippedDate'

FROM Orders

GROUP BY CONVERT(VARCHAR(7), Orders.ShippedDate, 111)

HAVING AVG(DATEDIFF(day, OrderDate, ShippedDate)) IS NOT NULL

ORDER BY CONVERT(VARCHAR(7), Orders.ShippedDate, 111);