**SQL BUSINESS QUESTIONS**

1. List all suppliers in the UK

2. List the first name, last name, and city for all customers. Concatenate the first and last name separated by a space and a comma as a single column

3. List all customers in Sweden

4. List all suppliers in alphabetical order

5. List all suppliers with their products

6. List all orders with customers information

7. List all orders with product name, quantity, and price, sorted by order number

8. Using a case statement, list all the availability of products. When 0 then not available, else available

9. Using case statement, list all the suppliers and the language they speak. The language they speak should be their country E.g if UK, then English

10. List all products that are packaged in Jars

11. List procucts name, unitprice and packages for products that starts with Ca

12. List the number of products for each supplier, sorted high to low.

13. List the number of customers in each country.

14. List the number of customers in each country, sorted high to low.

15. List the total order amount for each customer, sorted high to low.

16. List all countries with more than 2 suppliers.

17. List the number of customers in each country. Only include countries with more than 10 customers.

18. List the number of customers in each country, except the USA, sorted high to low. Only include countries with 9 or more customers.

19. List customer with average orders between $1000 and $1200.

20. Get the number of orders and total amount sold between Jan 1, 2013 and Jan 31, 2013.

**ANSWERS**

1. SELECT \* FROM Supplier

WHERE Country = 'UK'

1. SELECT CONCAT(firstname, ' ', lastname) [Full Name], city

FROM customer

1. SELECT \* FROM Customer

WHERE Country = 'SWEDEN'

1. SELECT \*

FROM supplier

ORDER BY CompanyName ASC

1. SELECT CompanyName, ProductName

FROM Supplier S

JOIN Product P

ON S.Id = P.Id

1. SELECT O.Id [Order ID], O.CustomerId [Customer ID], CONCAT(firstname, ' ', lastname) [Customer Name]

FROM [Order] O

JOIN Customer C

ON C.id = O.CUSTOMERID

1. SELECT OI.orderId [Order Number],P.ProductName[Product Name], OI.Quantity, OI.UnitPrice Price

FROM [OrderItem] OI

JOIN Product P

ON P.id = OI.PRODUCTID

ORDER BY OI.orderId

1. SELECT ProductName,

CASE

WHEN IsDiscontinued = 0

THEN 'Not Available'

ELSE 'Available'

END AS Availability

FROM Product

1. SELECT CompanyName, Country,

CASE

WHEN Country = 'Argentina' THEN 'Spanish'

WHEN Country = 'Australia' THEN 'English'

WHEN Country = 'Austria' THEN 'German'

WHEN Country = 'Germany' THEN 'German'

WHEN Country = 'Belgium' THEN 'Dutch, French, German'

WHEN Country = 'Brazil' THEN 'Portuguese'

WHEN Country = 'Canada' THEN 'English, French'

WHEN Country = 'Denmark' THEN 'Danish'

WHEN Country = 'Finland' THEN 'Finnish, Swedish'

WHEN Country = 'France' THEN 'French'

WHEN Country = 'Germany' THEN 'German'

WHEN Country = 'Ireland' THEN 'Irish, English'

WHEN Country = 'Italy' THEN 'Italian'

WHEN Country = 'Japan' THEN 'Japanese'

WHEN Country = 'Mexico' THEN 'Spanish'

WHEN Country = 'Norway' THEN 'Norwegian'

WHEN Country = 'Poland' THEN 'Polish'

WHEN Country = 'Portugal' THEN 'Portuguese'

WHEN Country = 'Singapore' THEN 'Mandarin Chinese'

WHEN Country = 'Netherlands' THEN 'Dutch'

WHEN Country = 'Spain' THEN 'Spanish'

WHEN Country = 'Sweden' THEN 'Swedish'

WHEN Country = 'Switzerland' THEN 'German, French, Italian, Romansh'

WHEN Country = 'UK' THEN 'English'

WHEN Country = 'USA' THEN 'English'

WHEN Country = 'Venezuela' THEN 'Spanish'

END AS Language

FROM Supplier

1. SELECT ProductName, Package

FROM Product

WHERE Package LIKE '%Jars%'

1. SELECT ProductName, UnitPrice, Package

FROM Product

WHERE ProductName LIKE 'Ca%'

1. SELECT SupplierId, COUNT(\*) AS NumberOfProducts

FROM Product

GROUP BY SupplierId

ORDER BY NumberOfProducts DESC

1. SELECT Country, COUNT(\*) AS NumberOfCustomers

FROM Customer

GROUP BY Country

1. SELECT Country, COUNT(\*) AS NumberOfCustomers

FROM Customer

GROUP BY Country

ORDER BY NumberOfCustomers DESC

1. SELECT CustomerId, SUM(TotalAmount) AS TotalOrderAmount

FROM [Order]

GROUP BY CustomerId

ORDER BY TotalOrderAmount DESC

1. SELECT Country

FROM Supplier

GROUP BY Country

HAVING COUNT(\*) > 2

1. SELECT Country, COUNT(\*) AS NumberOfCustomers

FROM Customer

GROUP BY Country

HAVING COUNT(\*) > 10

1. SELECT Country, COUNT(\*) AS NumberOfCustomers

FROM Customer

WHERE Country <> 'USA'

GROUP BY Country

HAVING COUNT(\*) >= 9

ORDER BY NumberOfCustomers DESC

1. SELECT c.FirstName, c.LastName, AVG(o.TotalAmount) AS AverageOrderAmount

FROM Customer c

JOIN [Order] o ON c.Id = o.CustomerId

GROUP BY c.FirstName, c.LastName

HAVING AVG(o.TotalAmount) BETWEEN 1000 AND 1200

1. SELECT COUNT(\*) AS NumberOfOrders, SUM(TotalAmount) AS TotalAmountSold

FROM [Order]

WHERE OrderDate BETWEEN '2013-01-01' AND '2013-01-31'