1.                  Which shippers do we have?

SELECT \* FROM shippers

2.                 Certain fields from Categories

SELECT categoryname, description FROM categories

3.                 Sales Representatives

SELECT firstname, lastname, hiredate FROM employees

WHERE Title = 'Sales Representative'

4.                 Sales Representatives in the United States

SELECT firstname, lastname, hiredate FROM employees

WHERE Title = 'Sales Representative' AND Country = 'USA'

5.                 Orders placed by specific EmployeeID

SELECT \* FROM orders

WHERE EmployeeID = '5'

6.                 Suppliers and ContactTitles

SELECT supplierID, contactname, contacttitle FROM suppliers

WHERE contacttitle <> 'Marketing Manager'

7.                 Products with “queso” in ProductName

SELECT productID, productname FROM products

WHERE productname LIKE '%queso%'

8.                 Orders shipping to France or Belgium

SELECT orderID, customerID, shipcountry FROM orders

WHERE shipcountry = 'France' OR shipcountry = 'Belgium'

9.                 Orders shipping to any country in Latin America

SELECT orderID, customerID, shipcountry FROM orders

WHERE shipcountry IN ('Brazil', 'Mexico', 'Argentina', 'Venezuela')

10.             Employees, in order of age

SELECT firstname, lastname, title, birthdate FROM employees

ORDER BY birthdate

11.              Showing only the Date with a DateTime field

SELECT firstname, lastname, title, CAST(birthdate AS DATE) FROM employees

ORDER BY birthdate

12.             Employees full name

SELECT firstname, lastname, firstname + ' ' + lastname AS fullname

FROM employees

13.             OrderDetails amount per line item

SELECT orderID, productID, unitprice, quantity, unitprice \* quantity AS totalprice

FROM orderdetails

ORDER BY orderID, productid

14.             How many customers?

SELECT COUNT(customerID) as TotalCustomers FROM customers

15.             When was the first order?

SELECT MIN(orderDate) as FirstOrder FROM orders

16.             Countries where there are customers

SELECT DISTINCT country FROM customers

17.             Contact titles for customers

SELECT contacttitle, COUNT(contacttitle) AS Total FROM customers

GROUP BY contacttitle

ORDER BY total DESC

18.             Products with associated supplier names

SELECT productID, productName, companyname FROM products

INNER JOIN suppliers ON products.supplierID = suppliers.supplierID

ORDER BY productID

19.             Orders and the Shipper that was used

SELECT OrderID, CAST(OrderDate AS DATE) AS OrderDate, CompanyName FROM orders

INNER JOIN shippers ON orders.shipvia = shippers.shipperID

WHERE OrderId < 10300

ORDER BY OrderID

NLTK, or Natural Language Toolkit, is a Python package that you can use for NLP. A lot of the data that you could be analysing is unstructured data and contains human-readable text. Before you can analyse that data programmatically, you first need to pre-process it.