Assignment 2

1.      How many products can you find in the Production.Product table?

2.      Write a query that retrieves the number of products in the Production.Product table that are included in a subcategory. The rows that have NULL in column ProductSubcategoryID are considered to not be a part of any subcategory.

3.      How many Products reside in each SubCategory? Write a query to display the results with the following titles.

ProductSubcategoryID CountedProducts

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4.      How many products that do not have a product subcategory.

5.      Write a query to list the sum of products quantity in the Production.ProductInventory table.

6.    Write a query to list the sum of products in the Production.ProductInventory table and LocationID set to 40 and limit the result to include just summarized quantities less than 100.

              ProductID    TheSum

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7.    Write a query to list the sum of products with the shelf information in the Production.ProductInventory table and LocationID set to 40 and limit the result to include just summarized quantities less than 100

    Shelf      ProductID    TheSum

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8. Write the query to list the average quantity for products where column LocationID has the value of 10 from the table Production.ProductInventory table.

9.    Write query  to see the average quantity  of  products by shelf  from the table Production.ProductInventory

    ProductID   Shelf      TheAvg

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10.  Write query  to see the average quantity  of  products by shelf excluding rows that has the value of N/A in the column Shelf from the table Production.ProductInventory

    ProductID   Shelf      TheAvg

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11.  List the members (rows) and average list price in the Production.Product table. This should be grouped independently over the Color and the Class column. Exclude the rows where Color or Class are null.

    Color                        Class              TheCount          AvgPrice

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**Joins:**

12.   Write a query that lists the country and province names from person. CountryRegion and person. StateProvince tables. Join them and produce a result set similar to the following.

    Country                        Province

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13.  Write a query that lists the country and province names from person. CountryRegion and person. StateProvince tables and list the countries filter them by Germany and Canada. Join them and produce a result set similar to the following.

    Country                        Province

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**Using Northwnd Database: (Use aliases for all the Joins)**

14.  List all Products that has been sold at least once in last 25 years.

15.  List top 5 locations (Zip Code) where the products sold most.

16.  List top 5 locations (Zip Code) where the products sold most in last 25 years.

17.   List all city names and number of customers in that city.

18.  List city names which have more than 2 customers, and number of customers in that city

19.  List the names of customers who placed orders after 1/1/98 with order date.

20.  List the names of all customers with most recent order dates

21.  Display the names of all customers  along with the  count of products they bought

22.  Display the customer ids who bought more than 100 Products with count of products.

23.  List all of the possible ways that suppliers can ship their products. Display the results as below

    Supplier Company Name                Shipping Company Name

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24.  Display the products order each day. Show Order date and Product Name.

25.  Displays pairs of employees who have the same job title.

26.  Display all the Managers who have more than 2 employees reporting to them.

27.  Display the customers and suppliers by city. The results should have the following columns

City

Name

Contact Name,

Type (Customer or Supplier)