Assignment 2

No Duplicate Rows are allowed in the following questions

1) Write a select statement to list all the columns from the Offices table. 'Select *' is not allowed. Return the list in DESC Office order.

2) List the product ID, mfr ID, Name (its description), and dollar value of quantity on hand (price * quantity) of the products whose dollar value is greater than 20000. Return the list in descending order by their dollar value.

3) List the Order Number, Order Date, Customer Number, and Sales Rep Number for orders for part '779C' or '773C'. (Use a compound search condition - OR.)

4) List the Name and Age of all Sales Reps in the following offices: 11; 13. (Use the set membership test - IN.)

5) List the names of all Sales Reps who have the letter 'a' (this is lower case a) as the second character of their name.

6) Return the Sales Rep ID and Name of any Sales Rep not assigned to an office yet.

7) Show all the sales rep names with last name "Smith" or "Jones".

8) List different titles in the sales reps table. Only list each title once and unknown titles should be ignored. Duplicate rows are not allowed.

9) List the description of the products which are more than 6 character and less than 10 character long. No duplicate row is allowed. You can use the build in function length() to do this. For example, length(name) return the number of characters for attribute called "name".

10) For all order Amount less than $700, list the order num with the name of the rep who placed the order and the name of the customer who made the order and the name of the rep for that customer

11) List the Mfr Id, the Product Id, Company and PRICE of all products bought by customers where customer number is one of (2111,2112,2105,2119) and where the amount of the order < $10,000. Order the results by ascending Company. Duplicate row are not allowed.

12) List all orders number, the name of the rep who took the order , the city where the rep has his/her office. Print the employee whose office is in either Chicago or Denver;

13) List all customers (Customer number, Company, and Credit Limit) and orders (Order Number, Amount) where the Amount is within $10,000 of the Credit Limit. Therefore:
    - Credit_limit should be greater than zero and
    - Amount should be greater than zero and
    - Amount should be less than credit_limit and
    - Credit_limit – Amount <=$10000

14) List all salesreps names and their managers' names where the salesrep is at least as old as the manager. Duplicate rows are not allowed.

15) List all salesreps (Name) and the City they work in where either the sales of the salesrep < Quota or the sales for the office is < Target.

16) List the name, ID, and hire date of the salesreps where the following two conditions hold:
    a) The salesreps sales should be greater than the quota and
    b) The rep should be either "Sam Clark", or "Mary Jones."

17) List all orders (Order Number) over $7,000 showing the company placing the order, the Customer Rep assign to the company, the Office id and the city , and the rep who took the order where such that the Customer Rep's is not the rep who took the order.

18) List all customer reps (their name and their id) and their managers name in which the manager is based in New York. Use appropriate column header.

19) List all products (ProductId, MFR_Id, and Description), customers (CustNum, Company) who have bought that product, and orders (Order Number, and Order Date) where the order < $700. Sort the rows by the OrderDate. Duplicate rows is not allowed.

20) List the name of the salesreps and the name of their managers only if the manager has taken care of some orders.