**ISYS 5453 [Douglas]**

**DB2 Assignment (30 points)**

**Due**

There are two sets of text files in the Data module —DB2MartinInputMF.xt and RentalsLoad-MF.txt. The txt files are script files that are complete with the exception of inserting your account for each occurrence of UOASxxx. After making this change, the scripts should create and load the tables.

After creation of the tables, use the DB2Martin tables—Inventory, Quotation and Suppliers—to do the following queries. You may use RDz or the Control Center.

In a word document, copy each query from this document, then a screen shot of the SQL plus the results.

**Simple Queries**

1. Select all columns and rows from **Quotations**

2. Select the columns SupplrNbr, InvPartNbr, and Price; all rows from **Quotations**

3. Select all columns from **Quotations** for rows where InvPartNbr equal to 124

4. Select the columns SupplrNbr, InvPartNbr, and Price for rows where Price is greater than 1.00 from **Quotations**

5. Select all the columns for rows where PartName is equal to ‘BOLT’ from **Inventory**

6. Select the columns SupplrNbr and InvPartNbr from **Quotations** for rows where the Price multiplied by OnOrder is greater than 500.00.

7. Select the columns SupplrNbr, InvPartNbr, and Price from **Quotations** for rows with InvPartNbr is equal to 105, 135, or 205.

8. Select the columns SupplrNbr, InvPartNbr, and Price from **Quotations** for rows with InvPartNbr is equal to the range of 105 through 135.

9. Select the columns SupplrNbr, NAME, ADDRESS from **Suppliers** for rows with suppliers located in the state of Minnesota.

10. Select all the columns from **Inventory** for rows where PartName has the letter O as the second character.

11. Select the column SupplrNbr from **Quotations** for rows where OnOrder is greater than 200

12. Do number 11 above eliminating the duplicates

13. Select the columns SupplrNbr, InvPartNbr, and Price from **Quotations** for rows where the InvPartNbr is equal to 124 and Price is greater than 1.30

14. Select all the columns from **Quotations** for rows where InvPartNbr is less than 200 and (Price is greater than 1.00 or TIME is less than 10)

15. Select all the columns from **Quotations** for rows where Price is NULL

16. Select all the columns from **Quotations** for rows where InvPartNbr is not equal to 124

17. Select the columns SupplrNbr, InvPartNbr, and Price from **Quotations** for rows with InvPartNbr is not between the range of 105 through 135

18. Select the columns SupplrNbr, InvPartNbr, and the generated column Price times OnOrder (name this column INVEST) from **Quotations** for rows where Price is > 1.00

19. Select the columns SupplrNbr, InvPartNbr, and Price from **Quotations** for rows with InvPartNbr is equal to 124, 125, 134, or 135 and sort the answer by InvPartNbr in ascending sequence and then by Price in descending sequence

20. From the **Inventory** and **Quotations** tables, select the columns INVPART, PartName, OnHand, SupplrNbr and OnOrder; sort the answer by INVPART and then SupplrNbr

21. From the **Inventory,** **Quotations** and **Suppliers** tables, select the columns INVPART, PartName, OnHand, SupplrNbr, NAME, and OnOrder; sort the answer by INVPART and then SupplrNbr

22. Write a query to obtain the count and the sum of the OnOrder and the sum of the Price times OnOrder as well as the maximum value of Price and the average of Price

23. Write a query to find the average of the unique Price values in the **Quotations** table

24. Write a query to produce a count and a total of the OnOrder data values for each different InvPartNbr value and sort the results by InvPartNbr

25. Write a query to list the part numbers and Name for parts supplied by suppliers “Vesuvius Inc”

26. Write a query to select the columns SupplrNbr and InvPartNbr from **Quotations** for the rows where Price is greater than the average Price.

27. Write a query to insert a record into the Quotations Table.

28. Write a query to delete the record you just added from the Quotations Table.

29. Write a query to add .15 to the Price for InvPartNbr of 124 in the Quotations Table.

30. Write a query to subtract .15 from the Price for InvPartNbr of 124 in the Quotations Table.