

SETTING UP THE CLIENT CONNECTION

Start→Programs→Microsoft SQL Server→Client Network Utility

Click on the **ALIAS** tab

Click **ADD**. Enter Server Alias: **CALHOUN**

Select **TCP/IP** in Network Libraries. Specify Server name: **CALHOUN**

Deselect the check box on ***Dynamically Determine Port.***

Enter port number: **5000**

Click **OK** and exit.

Click **APPLY** and exit.

HOW TO CREATE A DATABASE USING A MS-SQL CLIENT

Start→Programs→Microsoft SQL Server→Enterprise Manager

Right click on SQL Server Group

Select *New SQL Server Registration*

On the Welcome dialog box, click the *next* button

On the Register SQL Server Wizard dialog enter **CALHOUN** for the available servers, click *add*, then click *next*

Select the *SQL Login Information...* radio button.

Enter login name and password.

Click next on the Select SQL Server Group dialog, then click on the *finish* button in the next dialog window.

CREATING A TABLE

Expand the SQL Server Group tree by clicking on the **+** box-icon.

Expand the CALHOUN tree by clicking on the **+** box-icon.

Right click on Databases, select the *New Database* option

Provide a database name: **Use whatever name you want (say, CourseDBX)**

Right click on database, **CourseDBX**. Select *new*→*Table*

Enter the table parameters:

StudID*, FName, LName, Address, Gender, GPA, Status.

*make sure that you **don't allow nulls** on the StudID attribute.

Right click on the StudID row and select *Primary Key*. This will make the StudID as the primary key of the table.

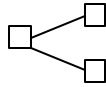
Close the new table dialog box. The system will prompt you to save the table, click yes and enter the table name, Student.

Right click on Student table, select Open Table→Return all rows

Enter the data values for each row.

ESTABLISHING THE RELATIONSHIP BETWEEN TABLES

Right click on the Student table, select *Design Table*
Click on the **manage relationship icon**



Click **New** to establish a new relationship on selected tables.
Use the appropriate drop-down boxes to choose the primary key table, the foreign key table, the primary key attribute, and the foreign key attribute.

Click *close*.

Close the table and answer yes to the succeeding dialog boxes.

CREATING VIEWS

Click on Views → New View
Click on the Add Table icon



On the *Add Table dialog box*, select the **Student** table and click **Add**.
On the table pane, click on the FName, StudID, and GPA checkboxes
On the grid pane enter **>103** for the **StudID** criteria
and **>2.0** for the **GPA** criteria

Click on the run icon  to execute the query.

Exit the dialog box and save the view as **StudentGPA**.

To check the view, right click on **StudentGPA** → **Open View** → **Return All Rows**

CREATING A LOCAL COPY OF THE SQL SERVER DATABASE

Create a blank database using Microsoft Access, call it **CourseDBX.mdb**. A blank Access database file, **template.mdb**, is available in **F:\USER\GFRANCIA\CS488**. Copy this file in your local drive and rename it to **CourseDBX.mdb**.

Right click on Databases. Select **All Tasks** → **Export Data**
Click *next* on the *DTS Import/Export Wizard* Dialog Box.
On the *Choose a Data Source* dialog, make sure the following are set:

Server: **CALHOUN**

Use SQL Server Authentication

user name: **enter your username**

password: **enter your password**

Database: **the name of your database**

Click next.

On the *Choose a Destination* dialog, select Destination: Microsoft Access Under Filename, search for the CourseDBX.mdb file.
On the *Specify Table Copy or Query* dialog, click *next*.
Check all the available sources by clicking on the *Select All* button.
Click next.
On the Save, schedule, and replicate dialog, click *next*. Click *finish*.

SETTING UP THE ODBC CONNECTION

Start→Settings→Control Panel→Administrative Tools→Data Sources(ODBC)

On the *User DSN* tab, click on the *Add* button.
Select Microsoft Access Driver (*.mdb) among the list of drivers.
On the ODBC Microsoft Access Setup dialog,
enter the Data Source Name: **CourseDBX**

Click on the *Select* button and search for the database to connect with.
Click *OK*, then click another *OK* button to dismiss the *ODBC Data Source Administrator* dialog box.

DELETING the SQL SERVER REGISTRATION

You need to carry out this step in order to log out of the server.

Click on the CALHOUN Server Group icon.
On the Console Root menu bar, click on:
Action→ Delete SQL Server Registration

Exit by clicking, on the main menu bar:
Console → Exit