## **Running the Visual Basic Program**

Time to run the program. Save the code, then press F5 (or Run-Start from the menu). Click on the button.

Four message should display. CreateEngine() needs to use Port 777. If the CreateEngine() function succeeds, the return code will be zero, and the following message will display.



The next task is to create a queue. The queue will reference the database called LAB with the username of LAB. If successful, the following message will display:

| prjOEngine 🔀                        |
|-------------------------------------|
| Result after CreateQueue Method = 0 |
| ОК                                  |

The VB\_Read\_Row() function then is called using the CallFunction() method of the Queue object. In this situation, a row called AIRFORCE from the table called GRANTS is read. Substitute your tablename and row name. Note that the returned value is passed in ReturnValue, the first argument to CallFunction n().



The **OI\_Change\_Name** subroutine is then called using the CallSubroutine method of the Queue object. Note that the variable myName is passed as the argument to CallSubroutine. Passed as **Ira Krakow**, the OpenInsight subroutine changes it to **Francis X Bushman**.

| prj0Engine                                       |
|--|
| After CallSubroutine, Name = Francis $X$ Bushman |
| ОК   |

The balance of the program is housekeeping, destroying the objects created to communicate with OpenInsight. This is needed to conserve memory. Unused objects should be destroyed when not needed.

So voila! Client-server programming with Visual Basic as the client and OpenInsight as the server!