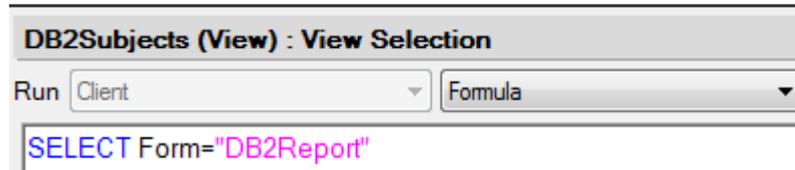


TIP:

You are going to need to make sure your Notes view, having identical fields stated on the Notes form is connected to the form in question, in our case DB2Report.

Figure 2



ConnectDB2LSClonePrint;

```
'@AppName Döcu
'@author: Dököll Solutions, Inc.
'@version 2012.11.03.8.56.PM
'Program: ConnectDB2LSClonePrint
'Code to connect to DB2, grab data and insert into NSF back-end as documents
'Item being prepared to load from Xpages
Option Public
Option Declare
UseLSX "*lsxlc"
Sub Initialize
    'TO DO: Load connection variable into a Script Library
    '+++++
    'DB2 Connection variables Begin
    '+++++
    'Dimension lotusConnectorSession variable to Connect to DB2
    Dim lConnSession As New LCSession
    'enforce ConnectionPooling
    lConnSession.ConnectionPooling = True
    'Dimension lotusConnection variable to Connect to DB2

    Dim lotusConnector As New LCConnection ("DB2")

    lotusConnector.Database = "DOMINODB" 'Grab DataSource created on
Windows 7 OS System

    lotusConnector.UserID = "db2admin" 'Connect to DB2 using Windows 7
System User created during installation
    lotusConnector.Password = "Win7SystemUser" 'Connect to DB2 using Windows 7
System Password created during installation
    lotusConnector.Disconnect '...
    lConnSession.Clearstatus'...
    lotusConnector.Connect'...
    'Dimension placeholder variable to query LCFieldList
    Dim fieldList As New LCFieldList
    '+++++
    'DB2 Connection variables End
    '+++++
    'Dimension notesDoc variables
    Dim SUBJECTSID As Variant
    Dim USERNAME As Variant
    Dim ALLEGATIONCODE As Variant
    Dim OFFICE As Variant
    Dim INVESTIGATOR As Variant
    Dim DATEOPEN As Variant
    Dim AGE As Variant
```

```

Dim SUBJECT As Variant
Dim LICENSEE As Variant
Dim ALLEGATIONNUMBER As Variant
Dim REGION As Variant
'Query DB2 back-end and load results to fieldList variable
lotusConnector.Execute "SELECT * from DB2ADMIN.USER_DETAILS", fieldList
'set and initialize notesDoc variables, attach items found in fieldList
Set SUBJECTSID = fieldList.Lookup ("ID")
Set USERNAME = fieldList.Lookup ("USERNAME")
Set ALLEGATIONCODE = fieldList.Lookup ("ALLEGATIONCODE")
Set OFFICE = fieldList.Lookup ("OFFICE")
Set INVESTIGATOR = fieldList.Lookup ("INVESTIGATOR")
Set DATEOPEN = fieldList.Lookup ("DATEOPEN")
Set AGE = fieldList.Lookup ("AGE")
Set SUBJECT = fieldList.Lookup ("SUBJECT")
Set LICENSEE = fieldList.Lookup ("LICENSEE")
Set ALLEGATIONNUMBER = fieldList.Lookup ("ALLEGATIONNUMBER")
Set REGION = fieldList.Lookup ("REGION")
'run through and submit if fieldList actually collectd values from DB2
While (lotusConnector.Fetch(fieldList) > 0)
'Dimension placeholder variables to load column values from fieldList
Dim thisSUBJECTSID As String
Dim thisUSERNAME As String
Dim thisALLEGATIONCODE As String
Dim thisOFFICE As String
Dim thisINVESTIGATOR As String
Dim thisDATEOPEN As String
Dim thisAGE As String
Dim thisSUBJECT As String
Dim thisLICENSEE As String
Dim thisALLEGATIONNUMBER As String
Dim thisREGION As String
'load column values to into thisVariable, attach to notesDoc
thisSUBJECTSID = SUBJECTSID.text(0) '...
thisUSERNAME = USERNAME.text(0) ''
thisALLEGATIONCODE = ALLEGATIONCODE.text(0) ''
thisOFFICE = OFFICE.text(0) ''
thisINVESTIGATOR = INVESTIGATOR.text(0) ''
thisDATEOPEN = DATEOPEN.text(0) ''
thisAGE = AGE.text(0) ''
thisSUBJECT = SUBJECT.text(0) ''
thisLICENSEE = LICENSEE.text(0) ''
thisALLEGATIONNUMBER = ALLEGATIONNUMBER.text(0) ''
thisREGION = REGION.text(0) ''
'+++++
'Current Database Connection variables Begin
'+++++
'Dimension variable for currentDBSession
Dim thisSession As New NotesSession
'Dimension variable for currentDB
Dim thisDB As NotesDatabase
'Dimension variable for the documents being loaded to NSF back-end
from DB2 data
Dim notesDoc As NotesDocument
'find the currentDB based on thisSession

Set thisDB = thisSession.GetDatabase("", "docu.nsf")
'+++++
'Current Database Connection variables Begin
'+++++
'arrange for notesDocs to be submitted to currentDB
Set notesDoc = New NotesDocument(thisDB)
'add notesDocs to the form in question

```

```

notesDoc.Form = "DB2Report"
'load column results of DB2 into NSF back-end fields
notesDoc.ID =thisSUBJECTSID
notesDoc.USERNAME =thisUSERNAME
notesDoc.ALLEGATIONCODE=thisALLEGATIONCODE
notesDoc.OFFICE=thisOFFICE
notesDoc.INVESTIGATOR=thisINVESTIGATOR
notesDoc.DATEOPEN=thisDATEOPEN
notesDoc.AGE=thisAGE
notesDoc.SUBJECT=thisSUBJECT
notesDoc.LICENSEE=thisLICENSEE
notesDoc.ALLEGATIONNUMBER=thisALLEGATIONNUMBER
notesDoc.REGION=thisREGION
'Save the notesDoc iems
Call notesDoc.Save(True, True)
'release the currentDBSession
Set thisSession = Nothing

Wend
End Sub

```

RunDB2LotusScriptBean;

```

package com.dokoll.solutions.inc.db2.test;
/**
 * Created from Copy: 2012.11.03.9.57.PM
 * Run ConnectDB2LSClonePrint to read DB2 Data into Notes Documents
 *
 */
import javax.faces.context.FacesContext;
import lotus.domino.NotesException;
import lotus.domino.local.Database;
/**
 * @author Dököll Solutions, Inc.
 * @version 2012.11.03.9.57.PM
 *
 */
//...
public class RunDB2LotusScriptBean {
    //...
    //Xpages button code

    public void doRunDB2ForNotesData() throws NotesException {

        //get the current database being used
        Database database= (Database) FacesContext.getCurrentInstance()
            .getApplication().getVariableResolver()
            .resolveVariable(FacesContext.getCurrentInstance(), "database");
        System.out.println("Database Obtained..." + database);

        //Run the LotusScript agent to Access DB2 Data
        database.getAgent("ConnectDB2LSClonePrint").runOnServer();
        System.out.println("ConnectDB2LSClonePrint process begins...");
    }
}

```

Run LotusScript for DB2 Data with Xpages

You have a connector class and a JavaBean rigged to submit and retrieve data from DB2 database (DOMINODB), but you need to run code and perform tasks... Plug your JavaBean's method into

the following Xpages form button, and check log.nsf database for the results; see previous screenshots to get an idea how this might look. Copy and paste to your environment, areas of interest have been highlighted for your convenience.

xprunlotusscriptfordb2.xsp;

```
<?xml version="1.0" encoding="UTF-8"?>
<xp:view xmlns:xp="http://www.ibm.com/xsp/core">

    <xp:button value="Run DB2" id="button1">
        <xp:eventHandler event="onclick" submit="true"
            refreshMode="complete" immediate="false" save="true"
            id="eventHandler1">

            <xp:this.action><!

[CDATA[#{javascript:RunDB2LotusScriptBean.doRunDB2ForNotesData()}]
></xp:this.action>
        </xp:eventHandler>
    </xp:button>
</xp:view>
```

Results View and Form

Search in View 'DB2Subjects'

Search for [Search tips](#)

	ID	USERNAME	ALLEGATIONCE	OFFICE	INVESTIGATOR	DATEOPEN	AGE	SUBJECT
✓	XYZDB2007	username10	XYZDB2NAME100	New York	nyusername10xyz	10/28/2012	42	Dököll Solutions.
✓	XYZ008ABC	username11	XYZ008ABCALB	Albany	XYZ008CBCNAME	01/01/1971	50	Good Buddy
✓	XYZ009CBC	username12	XYZ008CBCALB	Albany	XYZ008CBCNAME	10/01/1990	25	SmashBook, Inc.
✓	XYZ000DBC	username12	XYZ000DBCALB	Albany	XYZ000DBCNAME	10/01/2003	9	BookWorm.com
✓	XYZ001EBC	username13	XYZ001EBCBOS	Boston	XYZ001EBCNAME	01/01/1943	70	GuntherBerg, Inc.
✓	XYZ002FBC	username14	XYZ002FBCCAN	Montréal	XYZ002FBCNAME	01/01/1980	39	SmashBook, Inc.
✓	XYZ002FBC	username16	XYZ002FBCCHI	Chicago	XYZ002FBCNAME	10/01/2011	20	HamBerg, Inc.
✓	XYZ002FBC	username15	XYZ002FBCCHI	Chicagoo	XYZ002FBCNAME	01/01/2012	49	GreenRoofTops.

The screenshot shows a Lotus Notes application window titled 'Döcu - DB2Subjects'. The main content area displays a report titled 'DB2 Subjects Report'. The report highlights the entry 'XYZDB2007' with the following details:

username10	XYZDB2NAME10007	New York	nyusername10xyz
10/28/2012	42	Dököll Solutions, Inc.	007123456789XYZ
	XYZDB2007USERNAME10		

Conclusion:

You can now use an Xpages form button to connect to DB2 database via LotusScript to retrieve data from DOMINODB via SQL and submit to NSF back-end as Documents.

Questions, comments, please post a brief message on our [Contact](#) form on the main site.

Thank you for coming...