# **Tools to assist with locating data elements**

1. Execute bde\_data.dbo.sp\_DataDictionary
2. Use the following code snippets to locate columns in database table DDL or in stored procedure and/or function DML.
3. Once you have identified a few possible candidates, perform data analysis of the tables and/or program analysis of the code to help identify the column.
4. If you’re still uncertain after performing analysis, ask the business analyst (usually Pete, Mariana, Carmen) to provide an MSP screenshot.
5. Use the loan number in the screenshot to query the candidate tables you found.
6. Note other values in the screenshot and dig deeper into data analysis to locate the data in the screenshot in the underlying tables and try to understand the relationships between tables in the underlying tables in the screenshot.
7. If you’re still stuck, reach out to David Stickney who is TMS’s MSP system administrator and tech guru.

**Code Snippets**

USE BDE\_Data

--USE BDEsime

GO

/\*

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Description:        Gets all database tables with wildcard query string:

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SELECT [schema] = SCHEMA\_NAME(schema\_id)

,[table] = t.name

,[column] = c.name

FROM sys.tables AS t

INNER JOIN sys.columns c

ON t.OBJECT\_ID = c.OBJECT\_ID

WHERE c.name LIKE '%source%'

--and t.name like 'loan%'

ORDER BY t.name, c.name

SELECT obj.Name SPName, sc.TEXT SPText

FROM sys.syscomments sc

INNER JOIN sys.objects obj ON sc.Id = obj.OBJECT\_ID

WHERE sc.TEXT LIKE '%originator%'

AND TYPE IN ('P','f','u')