

Wildcard search the entire Database

Below is the www.Muppix.co code to search an entire database for any text in SQL Server. All tables are searched, ignoring case. A wildcard search is performed even on numeric columns. So it will find '17' in any field even in the integer field with : 19170916.

```
DECLARE @SearchStr Varchar(50) = 'mytext'
DECLARE @Results TABLE(ColumnName nvarchar(370), ColumnValue nvarchar(3630))
SET NOCOUNT ON
DECLARE @TableName nvarchar(256), @ColumnName nvarchar(128), @SearchStr2
nvarchar(110)
SET @TableName = ''
SET @SearchStr2 = QUOTENAME('%' + @SearchStr + '%','''')

WHILE @TableName IS NOT NULL
BEGIN
    SET @ColumnName = ''
    SET @TableName =
    (
        SELECT MIN(QUOTENAME(TABLE_SCHEMA) + '.' + QUOTENAME(TABLE_NAME))
        FROM     INFORMATION_SCHEMA.TABLES
        WHERE    TABLE_TYPE = 'BASE TABLE'
        AND      QUOTENAME(TABLE_SCHEMA) + '.' + QUOTENAME(TABLE_NAME) > @TableName
        AND      OBJECTPROPERTY(
                    OBJECT_ID(
                        QUOTENAME(TABLE_SCHEMA) + '.' + QUOTENAME(TABLE_NAME)
                    ), 'IsMSShipped'
                ) = 0
    )

    WHILE (@TableName IS NOT NULL) AND (@ColumnName IS NOT NULL)
    BEGIN
        SET @ColumnName =
        (
            SELECT MIN(QUOTENAME(COLUMN_NAME))
            FROM     INFORMATION_SCHEMA.COLUMNS
            WHERE    TABLE_SCHEMA    = PARSENAME(@TableName, 2)
            AND      TABLE_NAME      = PARSENAME(@TableName, 1)
            AND      DATA_TYPE IN ('char', 'varchar', 'nchar', 'nvarchar')
            AND      QUOTENAME(COLUMN_NAME) > @ColumnName
        )

        IF @ColumnName IS NOT NULL
        BEGIN
            INSERT INTO @Results
            EXEC
            (
                'SELECT ''' + @TableName + '.' + @ColumnName + ''', LEFT(' +
@ColumnName + ', 3630)
                FROM ' + @TableName + ' (NOLOCK) ' +
                ' WHERE ' + @ColumnName + ' LIKE ' + @SearchStr2
            )
        END
    END

    SELECT ColumnName, ColumnValue FROM @Results
```

Typical output :

ColumnName	ColumnValue
[dbo].[mynewtable].[mycolumn]	mytext
[dbo].[mynewtable].[mycolumn]	mytext again
[dbo].[mynewtable].[mycolumn]	mytext before mysecondtext
[dbo].[mynewtable].[mycolumn]	so mytext and mytext in column
[dbo].[mynewtable].[mysecondcolumn]	end is mytext
[dbo].[mynewtable].[mysecondcolumn]	mytext found in beginning
[dbo].[mysecondtable].[mycolumn]	end is mytext
[dbo].[mysecondtable].[mycolumn]	mytext found in beginning
[dbo].[mytable].[mycolumn]	mytext,again
[dbo].[mytable].[mycolumn]	end,is,mytext
[dbo].[mytables].[mylastcolumn]	Mytext