

```
IF Object_id('SearchTables', 'P') IS NOT NULL
    DROP PROCEDURE searchtables
```

```
go
```

```
CREATE PROCEDURE Searchtables @Tablenames      VARCHAR(500),
                             @SearchStr      NVARCHAR(60),
                             @GenerateSQLOnly BIT = 0
```

```
AS
```

```
/*
Parameters and usage
```

```
@Tablenames -- Provide a single table name or multiple table name with comma
seperated.
```

```
If left blank , it will check for all the tables in the database
```

```
@SearchStr -- Provide the search string. Use the '%' to coin the search.
```

```
EX : X%--- will give data staring with X
```

```
%X--- will give data ending with X
```

```
%X%--- will give data containig X
```

```
@GenerateSQLOnly -- Provide 1 if you only want to generate the SQL statements without
seraching the database.
```

```
By default it is 0 and it will search.
```

```
Samples :
```

```
1. To search data in a table
```

```
EXEC SearchTables @Tablenames = 'T1'
,@SearchStr = '%TEST%'
```

```
The above sample searches in table T1 with string containing TEST.
```

```
2. To search in a multiple table
```

```
EXEC SearchTables @Tablenames = 'T2'
,@SearchStr = '%TEST%'
```

```
The above sample searches in tables T1 & T2 with string containing TEST.
```

```
3. To search in a all table
```

```
EXEC SearchTables @Tablenames = '%'
,@SearchStr = '%TEST%'
```

```
The above sample searches in all table with string containing TEST.
```

```
4. Generate the SQL for the Select statements
```

```
EXEC SearchTables @Tablenames = 'T1'
,@SearchStr = '%TEST%'
,@GenerateSQLOnly = 1
```

```
*/
SET nocount ON
```

```
DECLARE @CheckTableNames TABLE
```

```
(
    tablename SYSNAME
)
```

```
DECLARE @SQLTbl TABLE
```

```
(
    tablename      SYSNAME,
    whereclause    VARCHAR(max),
    sqlstatement   VARCHAR(max),
    execstatus     BIT
)
```

```
DECLARE @sql VARCHAR(max)
```

```

DECLARE @tmpTblname SYSNAME

IF Ltrim(Rtrim(@Tablenames)) IN ( '', '%' )
BEGIN
    INSERT INTO @CheckTableNames
    SELECT NAME
    FROM    sys.tables
END
ELSE
BEGIN
    SELECT @sql = 'SELECT '''
                + Replace(@Tablenames, ',', '' UNION SELECT ''')
                + ''''

    INSERT INTO @CheckTableNames
    EXEC(@sql)
END

INSERT INTO @SQLTbl
    (tablename,
     whereclause)
SELECT SCh.NAME + '.' + ST.NAME,
    (SELECT '[' + SC.NAME + ']' + ' LIKE ''' + @SearchStr
      + ''' OR ' + Char(10)
    FROM    sys.columns SC
            JOIN sys.types STy
                ON STy.system_type_id = SC.system_type_id
                AND STy.user_type_id = SC.user_type_id
    WHERE   STy.NAME IN ( 'varchar', 'char', 'nvarchar', 'nchar' )
            AND SC.object_id = ST.object_id
    ORDER  BY SC.NAME
    FOR xml path(''))
FROM    sys.tables ST
        JOIN @CheckTableNames chktbls
            ON chktbls.tablename = ST.NAME
        JOIN sys.schemas SCh
            ON ST.schema_id = SCh.schema_id
WHERE   ST.NAME <> 'SearchTMP'
GROUP  BY ST.object_id,
          SCh.NAME + '.' + ST.NAME;

UPDATE @SQLTbl
SET     sqlstatement = 'SELECT * INTO SearchTMP FROM ' + tablename
                + ' WHERE '
                + Substring(whereclause, 1, Len(whereclause)-5)

DELETE FROM @SQLTbl
WHERE   whereclause IS NULL

WHILE EXISTS (SELECT 1
              FROM    @SQLTbl
              WHERE   Isnull(execstatus, 0) = 0)
BEGIN
    SELECT TOP 1 @tmpTblname = tablename,
                @sql = sqlstatement
    FROM    @SQLTbl
    WHERE   Isnull(execstatus, 0) = 0

    IF @GenerateSQLOnly = 0
    BEGIN
        IF Object_id('SearchTMP', 'U') IS NOT NULL
            DROP TABLE searchtmp

        EXEC (@sql)

        IF EXISTS(SELECT 1
                  FROM    searchtmp)
    END

```

```

        BEGIN
            SELECT Tablename=@tmpTblname,
                *
            FROM    searchtmp
        END
    END
ELSE
    BEGIN
        PRINT Replicate('-', 100)

        PRINT @tmpTblname

        PRINT Replicate('-', 100)

        PRINT Replace(@sql, 'INTO SearchTMP', '')
    END

    UPDATE @SQLTbl
    SET    execstatus = 1
    WHERE  tablename = @tmpTblname
END

SET nocount OFF

go

EXEC Searchtables
    @Tablenames = '%',
    @SearchStr = '%<insert_value_here>%'

```

Signature Manifest

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Jason Sant (JSANT)		20 Jan 2022, 03:23:12 PM	Approved

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Jason Sant (JSANT)		05 Apr 2022, 04:47:22 PM	Approved

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Nupura Deshmukh (NDESHMUKH)		29 Aug 2022, 07:25:51 AM	Approved