SQL SERVER: REPLACE VS. TRANSLATE

SQL Server REPLACE vs. TRANSLATE



Suppose you have some text littered with characters you need to remove



'the [TRANSLATE] function can help you with (cleaning up) {dirty} text strings'

Into this:

'the TRANSLATE function can help you with cleaning up dirty text strings'

SQL Server REPLACE vs. TRANSLATE

You can nest REPLACE several times – once for each character you want to remove

SQL Server REPLACE vs. TRANSLATE

2 Or you can use TRANSLATE

Use TRANSLATE to replace the chars with a tilde (or some other character)

be the 3rd param of TRANSLATE must be the same length as the 2nd param, it can't contain an empty string. So we use REPLACE once to replace the tildes with an empty string

- TRANSLATE takes three parameters:
 - 1. The string where you want to make replacements
 - 2. The characters you want to remove
 - 3. The characters you want to put in their place

SQL Server REPLACE vs. TRANSLATE

```
1 ∨ DECLARE @str nvarchar(100)
         = 'the [TRANSLATE] function can help you with (cleaning up) {dirty} text strings';
 4 ∨ SELECT REPLACE(
                  REPLACE(
                      REPLACE(
                          REPLACE (
                              REPLACE (
                                  REPLACE(@str,'(',''),
                              ')',''),
11
                          '[',''),
12
13
                  '') AS nested_replace;
15
     DECLARE @chars nvarchar(6) = '()[]{}';
17
     SELECT REPLACE(
                  TRANSLATE(
19
                      @str,
                      @chars,
                      REPLICATE('~',LEN(@chars))
21
22
              ,'~','') AS replace_translate;
23
```

▲ RESULTS	
	nested_replace
1	the TRANSLATE function can help you with cleaning up dirty text strings
	replace_translate
1	the TRANSLATE function can help you with cleaning up dirty text strings