

# Re: coding an anagram function

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*Source:*

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Unless I'm mistaken, the efficiency of Alan's idea can be further enhanced by...

1. Exiting the inner loop after the condition is first satisfied, since continuing is a waste of time after the common character has been located and removed.

2. Exiting the outer loop if a complete run through the inner loop did not satisfy the condition at all, then a letter in the first string was not found in the second string and the two are not anagrams.

```
Public Function ISANAGRAM(TEXT1 As String, TEXT2 As String) As Boolean
Application.Volatile
TEXT1 = UCase(Replace(TEXT1, " ", ""))
TEXT2 = UCase(Replace(TEXT2, " ", ""))
If Len(TEXT1) <> Len(TEXT2) Then
ISANAGRAM = False
Exit Function
End If
Dim I As Long
Dim J As Long
Dim K As Long
For I = 1 To Len(TEXT1)
K = Len(TEXT2)
For J = 1 To Len(TEXT2)
If Mid(TEXT2, J, 1) = Mid(TEXT1, I, 1) Then
Let TEXT2 = Left(TEXT2, J - 1) & Right(TEXT2, Len(TEXT2) - J)
Exit For
End If
Next J
If K = Len(TEXT2) Then
ISANAGRAM = False
Exit Function
End If
Next I
ISANAGRAM = True
End Function
```

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Ken Johnson

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