

Re: Dollar Amount Conversion

Source:

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- *From:* "Doug Robbins – Word MVP" <dkr@xxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Sun, 10 Sep 2006 17:32:37 +0200
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Macro to convert number to dollars and cents

```
Dim Amount as String
Amount = Selection.Text
Dollars = Int(Val(Amount))
cents = Int((Val(Amount) – Dollars) * 100)
Selection.Delete
Selection.Fields.Add Range:=Selection.Range, Type:=wdFieldEmpty, _
PreserveFormatting:=False
Selection.TypeText Text:="" & Dollars & " \* CardText \* Caps"
Selection.MoveRight Unit:=wdCharacter, Count:=2
Selection.TypeText Text:=" Dollars and "
Selection.Fields.Add Range:=Selection.Range, Type:=wdFieldEmpty, _
PreserveFormatting:=False
Selection.TypeText Text:="" & cents & " \* CardText \* Caps"
Selection.MoveRight Unit:=wdCharacter, Count:=2
Selection.TypeText Text:=" cents"
ActiveWindow.View.ShowFieldCodes = Not ActiveWindow.View.ShowFieldCodes
ActiveWindow.View.ShowFieldCodes = Not ActiveWindow.View.ShowFieldCodes
```

Or a more capable alternative:

```
Function ConvertCurrencyToEnglish(ByVal MyNumber)
Dim Temp
Dim Dollars, Cents
Dim DecimalPlace, Count
```

```
ReDim Place(9) As String
Place(2) = " Thousand "
Place(3) = " Million "
Place(4) = " Billion "
Place(5) = " Trillion "
```

```
MyNumber = Trim(Str(MyNumber))

DecimalPlace = InStr(MyNumber, ".")
If DecimalPlace > 0 Then
```

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```
Temp = Left(Mid(MyNumber, DecimalPlace + 1) & "00", 2)
Cents = ConvertTens(Temp)
MyNumber = Trim(Left(MyNumber, DecimalPlace - 1))
End If
Count = 1
Do While MyNumber <> ""
'convert last 3 digits to English Dollars
Temp = ConvertHundreds(Right(MyNumber, 3))
If Temp <> "" Then Dollars = Temp & Place(Count) & Dollars
If Len(MyNumber) > 3 Then
'remove last 3 converted digits
MyNumber = Left(MyNumber, Len(MyNumber) - 3)
Else
MyNumber = ""
End If
Count = Count + 1
Loop
```

```
'clean up dollars
Select Case Dollars
Case ""
Dollars = "NoDollars"
Case "One"
Dollars = "One Dollar"
Case Else
Dollars = Dollars & " Dollars"
End Select
```

```
'clean up cents
Select Case Cents
Case ""
Cents = " And No Cents"
Case "One"
Cents = " And One Cent"
Case Else
Cents = " And " & Cents & " Cents"
End Select
ConvertCurrencyToEnglish = Dollars & Cents
End Function
```

```
=====
Private Function ConvertHundreds(ByVal MyNumber)
Dim Result As String
If Val(MyNumber) = 0 Then Exit Function
```

```
'append leading zeros to number
MyNumber = Right("000" & MyNumber, 3)
```

```
'do we have hundreds place digit to convert?
If Left(MyNumber, 1) <> "0" Then
Result = ConvertDigit(Left(MyNumber, 1)) & " Hundred "
End If
```

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```
'do we have tens place digit to convert?
If Mid(MyNumber, 2, 1) <> "0" Then
Result = Result & ConvertTens(Mid(MyNumber, 2))
Else
'if not, then convert the ones place digit
Result = Result & ConvertDigit(Mid(MyNumber, 3))
End If
ConvertHundreds = Trim(Result)
End Function
```

```
Private Function ConvertTens(ByVal MyTens)
```

```
Dim Result As String
```

```
'is value between 10 and 19?
```

```
If Val(Left(MyTens, 1)) = 1 Then
```

```
Select Case Val(MyTens)
```

```
Case 10: Result = "Ten"
```

```
Case 11: Result = "Eleven"
```

```
Case 12: Result = "Twelve"
```

```
Case 13: Result = "Thirteen"
```

```
Case 14: Result = "Fourteen"
```

```
Case 15: Result = "Fifteen"
```

```
Case 16: Result = "Sixteen"
```

```
Case 17: Result = "Seventeen"
```

```
Case 18: Result = "Eighteen"
```

```
Case 19: Result = "Nineteen"
```

```
Case Else
```

```
End Select
```

```
Else
```

```
Select Case Val(Left(MyTens, 1))
```

```
Case 2: Result = "Twenty "
```

```
Case 3: Result = "Thirty "
```

```
Case 4: Result = "Forty "
```

```
Case 5: Result = "Fifty "
```

```
Case 6: Result = "Sixty "
```

```
Case 7: Result = "Seventy "
```

```
Case 8: Result = "Eighty "
```

```
Case 9: Result = "Ninety "
```

```
Case Else
```

```
End Select
```

```
'convert ones place digit
```

```
Result = Result & ConvertDigit(Right(MyTens, 1))
```

```
End If
```

```
ConvertTens = Result
```

```
End Function
```

```
Private Function ConvertDigit(ByVal MyDigit)
```

```
Select Case Val(MyDigit)
```

```
Case 1: ConvertDigit = "One"
```

```
Case 2: ConvertDigit = "Two"
```

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```
Case 3: ConvertDigit = "Three"  
Case 4: ConvertDigit = "Four"  
Case 5: ConvertDigit = "Five"  
Case 6: ConvertDigit = "Six"  
Case 7: ConvertDigit = "Seven"  
Case 8: ConvertDigit = "Eight"  
Case 9: ConvertDigit = "Nine"  
Case Else: ConvertDigit = ""  
End Select  
End Function
```

```
=====  
Sub TestAboveFunction()  
Dim MyNumber  
MyNumber = 551521896.32  
MsgBox ConvertCurrencyToEnglish(ByVal MyNumber)  
End Sub  
=====
```

```
Or a simpler  
Dim Amount as String  
Amount = Selection.Text  
Dollars = Int(Val(Amount))  
cents = Int((Val(Amount) - Dollars) * 100)  
Selection.Delete  
Selection.Fields.Add Range:=Selection.Range, Type:=wdFieldEmpty, _  
PreserveFormatting:=False  
Selection.TypeText Text:="=" & Dollars & " \* CardText \* Caps"  
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Selection.TypeText Text:=" Dollars and "  
Macro to convert number to dollars and cents  
Selection.Fields.Add Range:=Selection.Range, Type:=wdFieldEmpty, _  
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Selection.TypeText Text:="=" & cents & " \* CardText \* Caps"  
Selection.MoveRight Unit:=wdCharacter, Count:=2  
Selection.TypeText Text:=" cents"  
ActiveWindow.View.ShowFieldCodes = Not ActiveWindow.View.ShowFieldCodes  
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```

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Hope this helps.

Please reply to the newsgroup unless you wish to avail yourself of my services on a paid consulting basis.

Doug Robbins – Word MVP

"J Mowad" <JMowad@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
news:B08992DA-5869-47C9-AC6E-7625449EAF30@xxxxxxxxxxxxxxxxxxxx

How do you automatically insert a Dollar Amount (\$5,000) in text format

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(FIVE THOUSAND DOLLARS) in Microsoft Word 2003?

—

Johnny Mowad