

# Check if Column Has Header by Comparing A1 to A2 - Excel VBA

```
Sub Test()

If IsHeader = True Then
    MsgBox "Has Header"
Else
    MsgBox "No Header"
End If

End Sub

Public Function IsHeader() As Boolean

    A1Pattern = RegExPattern(Range("A1").Value)
    A2Pattern = RegExPattern(Range("A2").Value)

    If A1Pattern = A2Pattern Then
        IsHeader = True
    End If

End Function

Public Function RegExPattern(my_string) As String
    RegExPattern = ""
    '''Special Character Section'''
    Dim special_charArr() As String
    Dim special_char As String

    special_char = "!,@,#,$,%,&,*+,/,\\,;,:"
    special_charArr() = Split(special_char, ",")
    '''Special Character Section'''

    '''Alpha Section'''
    Dim regexp As Object
    Set regexp = CreateObject("vbscript.regexp")

    Dim strPattern As String
    strPattern = "[a-z]"

    With regexp
        .ignoreCase = True
        .Pattern = strPattern
    End With
    '''Alpha Section'''

    Dim buff() As String
    'my_string = "test1*1#"
    ReDim buff(Len(my_string) - 1)
    Dim i As Variant
    For i = 1 To Len(my_string)
        buff(i - 1) = Mid$(my_string, i, 1)
        char = buff(i - 1)
        If IsNumeric(char) = True Then
            'MsgBox char & " = Number"
            RegExPattern = RegExPattern & "([0-9])"
        End If
        For Each Key In special_charArr
            special = InStr(char, Key)
            If special = 1 Then
                If Key <> "*" Then
                    'MsgBox char & " = Special NOT *"
                    RegExPattern = RegExPattern & "^[!@#$$%^&()].*$"
                Else
                    'MsgBox char & " = *"
                    RegExPattern = RegExPattern & "."
                End If
            End If
        Next Key
    Next i
End Function
```

```
End If
Next
If regexp.Test(char) Then
    MsgBox char & " = Alpha"
    RegExPattern = RegExPattern & "[a-z]"
End If
Next
'RegExPattern = Chr(34) & RegExPattern & Chr(34)
'MsgBox RegExPattern
End Function
```