

77 Parsing for Keywords

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Extracting keywords from a string of words

The following procedure is designed to allow the user to easily search an indexed subfield which contains keywords. The user can enter as many keywords as they like up to 255 characters (including spaces). The space character is used as the word delimiter. To use it, create a global procedure called **KeywordSearch** (or whatever you prefer), and copy the code below into it. Modify the first line so that your indexed subfield is in place of the example subfield. Execute the procedure from the User environment or attach it to a menu in the Custom environment, enter a few keywords and press OK. The procedure will perform an **AND** search on all records which contain the keywords you've entered.

```

$Fld:="[File1]SubFileName'SubfieldName="+Char(34) `place your indexed subfield here
$Wildcard:="@"+Char(34)
$SearchStr:=""
If (Undefined>LastWord)
  Keyword:=Request("Enter keywords (separate with spaces):")
Else
  Keyword:=Request("Enter keywords (separate with spaces):";LastWord)
End if
LastWord:=Keyword `remember the string for next time
If (OK=1)
  If (Length(KeyWord)#0) `if there are keywords
    Done:=False
    While (Not(Done))
      $space:=Position(Char(32);Keyword)
      If ($space=0) `if there are no (more) spaces or only one keyword exists
        $SearchStr:=$SearchStr+$Fld+Keyword+$Wildcard
        Done:=True
      Else `get the next word
        $SearchStr:=$SearchStr+$Fld+Substring(KeyWord;1;$space-1)+
          $Wildcard+";"
        Keyword:=Substring(KeyWord;$space+1;Length(KeyWord)-$space)
      End if
    End while
    EXECUTE("SEARCH BY INDEX("+SearchStr+")")
  Else
    ALERT("If you don't enter a keyword, I won't know what to search for!")
  End if
End if

```

