

pslist - simple list select Sub routine

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'  
' MMBasic DOS 5-04-05 Beta 7 ' Program pslist.bas ' by Peter Svard 2017.09.23 '
```

```
Cls  
  
' show how to use pslist  
Colour 7,0  
Cls  
  
Dim eKey As integer  
Dim index As integer  
Dim text As string  
Cursor 10,1:Print "pslist - test: Use cursor key Up / Down "  
Cursor 10,2:Print "use Enter-key to select,  ESC-key for exit"  
' --- main test loop ---  
Do  
  Restore pslist1  
  pslist 3,4,14,0,eKey,index,text  
  
  If eKey=27 Then Exit Do  
  
  ' use index value to set a colour box to screen  
  Colour 7,index  
  Cursor 40,5:Print Space$(6)  
  Cursor 40,6:Print Space$(6)  
  Cursor 40,7:Print Space$(6)  
  
  ' show return data from pslist  
  Colour 7,0  
  Cursor 40,10: Print " Return data from pslist Sub "  
  Cursor 40,11: Print "          eKey = ";eKey;" "  
  Cursor 40,12: Print "          index = ";index;" "  
  Cursor 40,13: Print "          text = ";text;"          "  
  
Loop  
  
Cursor 1,20  
  
End  
  
'\  
' --- pslist ---  
' col, row = list position  
' fc, bc   = colour foreground, background  
' eKey     = return key ( 13=Enter, 27=ESC key )  
' index    = return and start index position
```

```
' text      = return text
'\
Sub pslist(col As integer,row As integer,fc As integer,bc As integer, eKey
As integer, index As integer, text As string)
Local i As integer
Local t As integer
Local s As string
Local psmemlist(25) As string
Local pslistmax As integer

Colour fc,bc

' Print out list to screen and read in list to psmemlist
' and finally set pslistmax
i=0
Do
Read s
If s="" Then Exit Do
Cursor col,row+i
Print s
psmemlist(i)=s
i=i+1
Loop
pslistmax=i ' save last list index position

' now time to setup for list loop routine
If index>-1 And index<=pslistmax Then
    i=index ' use last index position
Else
    i = 0 ' start at first list item (0=first item)
End If
Colour bc,fc ' show list cursor
Cursor col,row+i
Print psmemlist(i);
' --- main list loop start ---
Do
t=Asc(Inkey$) ' wait for a Key
If t=13 Then ' Enter -key
    eKey=t ' return eKey-code
    index=i ' return list index
    text=psmemlist(i) ' return text from list
    Exit Do
End If
If t=27 Then ' ESC -key (only return eKey)
    eKey=t ' return eKey-code
    index=-1 ' return -1 index
    text="" ' return empty text from list
    Exit Do
End If
```

```
If t=128 Or t=129 Then ' cursor Up or Down
  Colour fc,bc ' clear list cursor
  Cursor col,row+i
  Print psmemlist(i)
  If t=128 And i>0 Then i=i-1 ' Up
  If t=129 And i<pslistmax-1 Then i=i+1 ' Down
  Colour bc,fc ' show list cursor
  Cursor col,row+i
  Print psmemlist(i);
End If
Loop

Colour 7,0 ' set default colour

End Sub

'\\
' Different samples of list (always ends lists with an empty string)
'\\
pslist1:
Data "Black","Blue","Green","Cyan","Red","Purple","Yellow","White"
Data "Gray","Bright Blue","Bright Green","Bright Cyan","Bright Red"
Data "Bright Purple","Bright Yellow","Bright White",""
```

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