UIM(User interface manager) help panel .

1. Create a help panel group. Source type should be PNLGRP we can add source member in QDDSSRC

2. Use that panel group in display file where help needs to be added.

Source type for Panel group is PNLGRP. Use option 14 to create .

```
File . . . . . . .   QDDSSRC
  Library . . . .      TEN16LIB              Position to . . . . .     _____

Type options, press Enter.
 2=Edit          3=Copy  4=Delete 5=Display        6=Print      7=Rename
 8=Display description  9=Save  13=Change text   14=Compile  15=Create module

Opt  Member        Type        Text
 __   CALCHELP      PNLGRP
```

Panel group source consists of tags, every tag starts with colon: and ends with full stop.

All statements start in the first column of the source member.

Entire panel group source will be between

:PNLGRP.

:ENPNLGRP.

For defining individual HELP section

:HELP.

:EHELP.

Sample PNLGRP source:

```
*************** Beginning of data *******************************************************
:PNLGRP.                                                                    240519
.*                                                                          240519
:HELP NAME=FIRST.                                                           240521
.*                                                                          240521
FIRST NUMBER                                                                240521
:P. :HP1. THIS :EHP1. IS FIRST :HP2. NUMBER :EHP2.                          240521
:P. THIS IS FIRST NUMBER.                                                   240521
.*                                                                          240521
:EHELP.                                                                     240521
:HELP NAME=SECOND.                                                          240521
.*                                                                          240521
SECOND  NUMBER                                                              240521
:P. Below are valid values.                                                 240521
:OL.                                                                        240521
:LI.S1                                                                      240521
:LI.S2                                                                      240521
:EOL.                                                                       240521
.*                                                                          240521
:EHELP.                                                                     240521
```

Usage example in display file:

We need to go into display file and provide these keywords.

HELP should be in file level entry in DDS file.

ALTHELP can be combined with command attention key CA01 or any other indicator which we need to assign as help key, if no indicator is used **default F1 is used.**

HLPTITLE will be used to give title to help window.

```
Columns . . . :   1  80                               Browse                              TEN16L1
SEU==>
FMT A*  .....A*. 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+... 8
        *************** Beginning of data *********************************************************
0001.00      A*%%TS  SD  20240522  102638  TEN16      REL-V7R1M0  5770-WDS        240522
0002.00      A*%%EC                                                               240522
0003.00      A                                     DSPSIZ(24 80 *DS3)            240522
0004.00      A                                     HELP                          240522
0005.00      A                                     ALTHELP                       240522
0006.00      A                                     HLPTITLE('***** CALCULATOR**') 240522
0007.00      A*                                                                  240521
0008.00      A          R CALCREC                                                240522
0009.00      A*%%TS  SD  20240522  102638  TEN16      REL-V7R1M0  5770-WDS        240522
0010.00      A                                     CA03(03 'F3=EXIT')            240522
0011.00      A                                     RTNCSRLOC(&RCD &FLD &POS)     240522
0012.00      A          H                          HLPPNLGRP(FIRST CALCHELP)     240522
0013.00      A                                     HLPARA(*FLD FIRSTNUM)         240522
0014.00      A          H                          HLPPNLGRP(SECOND CALCHELP)    240522
0015.00      A                                     HLPARA(*FLD SECONDNUM)        240522
0016.00      A                              3  6TIME                             240522
0017.00      A                              4  6DATE                             240522
0018.00      A                                     EDTCDE(Y)                     240522
0019.00      A                              4 61USER                             240522
```

Help tags

- `PNLGRP`/`EPNLGRP` - Start and end of the panel group (source member)
- `HELP`/`EHELP` - Start and end of a section of help text
- `Hx` - Start and end of extended heading
- `P` - Paragraph
- `HPx`/`EHPx` - Start and end of highlighting
- `UL`/`EUL` - Start and end of an unordered list
- `OL`/`EOL` - Start and end of an ordered list
- `SL`/`ESL` - Start and end of a simple list
- `LI` - List item
- mo`LINK`/`ELINK` - Start and end of a link

:P. (Paragraph)

`Hx` - Headings

There are four levels of heading: (No end tags)

- `xH1` - Centered, highlighted/bold, and underlined
- `xH2` - Left justified, highlighted/bold, and underlined
- `xH3` - Left justified, highlighted/bold, and not underlined
- `xH4` - Left justified, not highlighted/bold, and underlined

`HPx`/`EHPx` - Highlighting

The codes for highlighting a section of text must be included within a paragraph. This is a tag that need to be closed with an ending tag. There are nine types of highlighting.

- `HP1`/`EHP1` - Underlined
- `HP2`/`EHP2` - Highlighted/bold
- `HP3`/`EHP3` - Highlighted/bold and underlined
- `HP4`/`EHP4` - Normal text
- `HP5`/`EHP5` - Reverse image
- `HP6`/`EHP6` - Reverse image and underlined
- `HP7`/`EHP7` - Reverse image and highlighted/bold
- `HP8`/`EHP8` - Reverse image and highlighted/bold (appears to be same as `HP7`)
- `HP9`/`EHP9` - Reverse image (appears to be same as `HP5`)