



Knowledgebase > PRACTICE > How can I evaluate values displayed within a TRACE32 window in a PRACTICE script?

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## How can I evaluate values displayed within a TRACE32 window in a PRACTICE script?

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The default method that always works is to print the TRACE32 window into a file, and then parse this file using specific PRACTICE commands and functions.

### Example: Parsing a TASK.STack window

let's consider that you want to get the different values displayed in the following

**TASK.STack** window:

The first step is to print the window into a file using the **PRinTer.FILE** and **WinPrint** commands:

```
PRinTer.FILE test.txt // redirect the printer output to the file
test.txt
WinPrint.TASK.STack // send the content of the window to the printer
```

The next step is to parse the file using the PRACTICE commands **OPEN**, **READ** and **CLOSE** as well as the **STRing.\*** PRACTICE functions

```
// declare macros
PRIVATE &stack_line
PRIVATE &task_name &low &high &sp &lowest &spare &max &tmp

// open the file for reading and writing
OPEN #1 test.txt
// read the first line of the file, which corresponds to the command
name, into the macro &stack_line
READ #1 %LINE &stack_line
// read the second line of the file, which corresponds to the column
names, into the macro &stack_line
READ #1 %LINE &stack_line

// iterate over the rest of lines until the end of the file is
reached:
RePeaT
(
    // read one line
```

```

READ #1 %LINE &stack_line
// Abort when reading an empty line
IF "&stack_line"=="
    ENDDO

// extract name and remove unnecessary spaces
&task_name=STRING.SPLIT("&stack_line","|",0)
&task_name=STRING.TRIM("&task_name")
// extract low and high values
&tmp=STRING.SPLIT("&stack_line","|",1)
&low=STRING.SPLIT("&tmp"," ",0)
&high=STRING.SPLIT("&tmp"," ",1)
// extract sp
&sp=STRING.SPLIT("&stack_line","|",2)
&sp=STRING.SPLIT("&sp"," ",0)
// extract lowest, spare and max
&tmp=STRING.SPLIT("&stack_line","|",3)
&lowest=STRING.SPLIT("&tmp"," ",0)
&spare=STRING.SPLIT("&tmp"," ",1)
&max=STRING.SPLIT("&tmp"," ",-1)
// print results
AREA.view
PRINT "-----"
PRINT "Task name:           &task_name"
PRINT "Low stack address:   &low"
PRINT "High stack address:   &high"
PRINT "SP value:             &sp"
PRINT "Lowest used stack address: &lowest"
PRINT "Spare bytes:          &spare"
PRINT "Max stack space used:   &max"

)
WHILE !FILE.EOF(LASTREAD())

// close the file
CLOSE #1

```

## Final Results

Here is an example of the parsed output displayed in the **AREA.view** window:

## References

The PRACTICE commands and functions used in this script are described in the following

documentation:

- **PRinTer.FILE** and **WinPrint**: [PowerView Command Reference](#)
- **OPEN, READ** and **CLOSE**: [PRACTICE Script Language Reference Guide](#)
- **STRing.\*** PRACTICE functions: [PowerView Function Reference](#)

## Alternative Approach

It is possible to get the values displayed in some TRACE32 windows using specific PRACTICE functions directly. For example, refer to the description of the **sYmbol.List.MAP.<x>()** functions in [General Function Reference](#).