ProMeter

Protec/Mirage

COLLABORATORS			
	TITLE : ProMeter		
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ProMeter

1.1 ProMeter

ProMeter V1.2 ©1993–1994 by Protec/Mirage
archived on 10 April 1994

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1.2 pdnote

PD notice

ProMeter is public domain, which means this program may be freely
distributed.   It is not allowed to sell ProMeter (for more than the usual
amount of money asked for a PD disk) unless there is an agreement with me.
Of course gifts in the form of money, own made software, Beavis&Butthead
samples or anything else are always welcome and appreciated.

Send bug reports/suggestions/gifts to:

  Protec/Mirage
  Transvaalplein 37
  5021 TD Tilburg
  The Netherlands

1.3 copyrights

ProMeter Copyright Notices

ProMeter V1.2
Copyright © 1993-1994 by Protec/Mirage (E.v.Berkel).

ProMeter makes use of the Reqtools.library,
This library is copyright 1991-94 by Nico François.

1.4 introduction

Introduction

Prometer is a little program to graphically show the current memory-usage.
It can be used to calculate the difference of free memory between two times.
This can come handy when debugging a program to test for memory-losses.

1.5 requirements

Requirements

To run ProMeter you need:
- Kickstart V2.04 or greater.
- reqtools.library (Copyright by Nico François)

1.6 installwb

Installation using the Workbench

Just copy ProMeter and it's icon to the directory you want and copy the
Reqtools.library to LIBS:.   If you are using MagicWB, you can also copy
ProMeter-MWB.icon over ProMeter.info.

1.7 usage

Usage

Doubleclick the ProMeter-icon to start ProMeter. A window will appear on
your workbench screen.   This is the mainwindow and contains the following
items:

Gadgets

```
              C


              F


              Remember
              Difference
                                              Pulldown menus

Project     Settings

              Iconify
              Show kilobytes

              About...
              Select Color...

              Quit
              Select Danger Color...

              Jump to next screen

              Save Settings
```
Most menu-items have a shortcut key connected to it for faster ↩
     access.

1.8 c-gadget

                              C-gadget

When this gadget is selected, some information about FAST-memory will be
displayed in the menu-bar. If the Show Kilobytes option is selected, the
values will be displayed in kilobytes otherwise in bytes.

The information looks like:

CHIPMEM – Maximum: xxxx Used: xxxx Free: xxxx

1.9 f-gadget

                              F-gadget

When this gadget is selected, some information about CHIP-memory will be
displayed in the menu-bar. If the Show Kilobytes option is selected, the
values will be displayed in kilobytes otherwise in bytes.

The information looks like:

FASTMEM – Maximum: xxxx Used: xxxx Free: xxxx

1.10   memoryindicators

                        Memory Indicators

There are two indicators in ProMeter's window. The upper one is for CHIP
memory and the lower one for FAST memory. The indicator will be drawn in a
different color when you are low on memory. The colours in which the
indicators are drawn can be selected with the menu-options
                Select Color
                 and

                Select Danger Color
                 .

1.11   remember

                        Remember-gadget

When this gadget is selected the currently free CHIP- and FAST-memory will
be stored. In the titlebar will appear:

Remembering: CHIPMEM   Free: xxxx   FASTMEM   Free: xxxx

1.12   difference

                        Difference-gadget

When this gadget is selected the currently free CHIP- and FAST-memory will
be substracted from the values which were stored with the remember-gadget.
The result will be negative if some memory is allocated in the meanwhile

In the titlebar will appear:

Difference: CHIPMEM   Gained: xxxx   FASTMEM   Gained: xxxx

1.13   iconify

                        Iconify

This function closes the window and puts an icon on the Workbench. When the
icon is double-clicked the window will be opened again.

1.14   about

<div align="center">About</div>

This function shows some very important information.

1.15 quit

<div align="center">Quit</div>

When you select this, you will immediately leave ProMeter.

1.16 kilobytes

<div align="center">Show Kilobytes</div>

When this option is tagged, the strings in the menu-bar will be shown in
Kilobytes instead of bytes.

1.17 color

<div align="center">Color</div>

This function opens a palette-requester. You should select a color here in
which the memory-indicators should be drawn.

1.18 dangercolor

<div align="center">DangerColor</div>

This function opens a palette-requester. You should select a color here in
which the memory-indicators should be drawn if you are low on memory.

1.19 jumpscreen

<div align="center">JumpScreen</div>

When this menuitem is selected ProMeter will open it's window on the next
screen.

1.20 savesettings

SaveSettings

This option saves the current settings to ProMeter's icon. The following
settings will be saved:

- Window X,Y position.
- Colors used for drawing the memory indicators.
- The show kilobytes option.

1.21 history

History

```
    --------------------------------------------------------------------
    ProMeter v1.2
    --------------------------------------------------------------------
    TO DO:
    - Add 'Total Free:' to Remember-string.

    KNOWN BUGS:
    - None
```

Changes:

v1.0

```
    28 Jul 93: Initial version of ProMeter.
    29 Jul 93: NEW: Added menus: About, Quit
    30 Jul 93: NEW: Added menus: Select Color, Select Danger Color.
    30 Jul 93: NEW: Drew ProMeter-icon.
    31 Jul 93: NEW: Added menu: Save Settings.
    31 Jul 93: CHG: Made ProMeter font-sensitive.
     2 Aug 93: CHG: Made ProMeter also load settings when started from CLI.
     3 Aug 93: NEW: Added keyboard shortcuts: ESC, R(emember), D(ifference).
     3 Aug 93: NEW: Added 'Show as Kilobytes'-option in settingsmenu.
     3 Aug 93: NEW: Added 'Total gained:' in difference-string.
     4 Aug 93: CHG: Changed strings a bit.
     9 Aug 93: NEW: Added 'Jump to next screen'-option.
    10 Aug 93: CHG: Optimized code. Saved about 1000 bytes.
```

v1.1

```
    25 Aug 93: CHG: Kicked GadToolsBox sourcecode and Written my own. This was
               done to be compatible with kick3.0 and GadToolsBox made the
               window way to big with large fonts.
    28 Aug 93: NEW: Added ShowAsKiloBytes Tooltype. (Also saved with settings)
    28 Aug 93: CHG: Used NewLookMenus to look nicer on kick3.0.
    25 Sep 93: FIX: Fixed bug if no fastmem available. Crashed before due to
                division by zero.
```

v1.2 (First release)

```
8 Apr 94: CHG: Optimized code, saved about 200 bytes.
8 Apr 94: FIX: 184 bytes where lost when screenjumping
8 Apr 94: NEW: Added Menu-option iconify.
8 Apr 94: CHG: Difference gadget is now always enabled.
8 Apr 94: CHG: Screen pops to front when jumping.
8 Apr 94: CHG: Window activates when openened.
9 Apr 94: NEW: Drew ProMeter-MWB-icon.
```