This page is part of the mios_c_simulator_-_debugger

ACSim_console.h
ACSim_console.c

ACSim_toolbox.c

ACSim_mios.h
ACSim_mios.c

```
/*
 *  ACSim_toolbox.c
 *  v 0.0.5
 *
 *  2006 April 17 Created by Michael Markert, audiocommander.de
 *  Copyright 2006 Michael Markert, http://www.audiocommander.de
 *  hexview based on publicdomain code:
http://www.eggdrop.ch/texts/cschnipsel/
 *  toolbox for mios: http://www.midibox.org
 *
 */

/*
 * Released under GNU General Public License
 * http://www.gnu.org/licenses/gpl.html
 *
 * This program is free software; you can redistribute it and/or modify it
under the terms
 * of the GNU General Public License as published by the Free Software
Foundation
 *
 * YOU ARE ALLOWED TO COPY AND CHANGE
 * BUT YOU MUST RELEASE THE SOURCE TOO (UNDER GNU GPL) IF YOU RELEASE YOUR
PRODUCT
 * YOU ARE NOT ALLOWED NOT USE IT WITHIN PROPRIETARY CLOSED-SOURCE PROJECTS
 */


#import <Stdio.h>


#ifndef _ACSIM_TOOLBOX_C
#define _ACSIM_TOOLBOX_C




#pragma mark random numbers
// generate some random numbers
unsigned char ACRandomBool(void)   { return (random() % 2); }
```

```
signed char   ACRandomEncoder(void)    { return ((random() % 2) ? -1 : 1 );
}
unsigned char ACRandomPin(void)        { return (random() % DEBUG_AIN_NUM);
}
unsigned char ACRandomChar(void)   { return (random() % 128); }
unsigned int  ACRandomInt(void)        { return (random() % 1024); }




#pragma mark HEXVIEW
// hexview output
#define HEXVIEW_COLUMNS 68
#define HEXVIEW_CHARS ((HEXVIEW_COLUMNS-1)/4)

void hexview(unsigned char *buf, int size) {
    /*    usage:
    char buf[256];
    strcpy(buf, "some data");
    hexview(buf, sizeof(buf));  */

    int i;
    unsigned char c;
    unsigned char r = 0;

    while (size>0) {
        printf("%i:\t\t",(r*16));
        for (i=0;i<HEXVIEW_CHARS;i++) {
            if (size-i>0) {
                printf("%02x ", (unsigned char)*(buf+i));
            } else {
                printf("   ");
            }
        }
        printf(" ");
        for (i=0;i<HEXVIEW_CHARS&&size-i>0;i++) {
            c = (unsigned char)*(buf+i);
            printf("%c", c>=32&&c<127 ? c : '.');
        }
        buf+=HEXVIEW_CHARS;
        size-=HEXVIEW_CHARS;
        printf("\n");
        r++;
    }
    printf("\n");
}


#endif    /* _ACSIM_TOOLBOX_C */
```

From:
https://www.midibox.org/dokuwiki/ - **MIDIbox**

Permanent link:
https://www.midibox.org/dokuwiki/doku.php?id=acsim_toolbox_c&rev=1154873614

Last update: **2006/10/15 09:35**