```
/*****************************************************************************
*
*                iUSBDAQ Example Code Version 1.00
*
*****************************************************************************
* FileName:        iUSBDAQsample.c
* Dependencies:    None
* Compiler:        C++
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*
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*
* Date:       11/11/2007
*****************************************************************************/

/*****************************************************************************
* The Example shows how to open a iUSBDAQ device session and do a
* single scan of all analog channels. Then display the scan result
* in the console until the user hit 'q' and enter.
*****************************************************************************/


#include <stdio.h>
#include "iUSBDAQ.h"


int PrintError(int code)
{
        char a;
        char errDesc[256];

        iUSBDAQ_GetErrorDes(code,errDesc);
        printf("Error: %s\n", errDesc);
        printf("Press any key to exit\r\n");
```

```
	scanf("%c", &a);
	return -1;
}

void DisplayResult(float* buf, int numberOfCh)
{
	int i = 0;
	for (; i < numberOfCh; i++)
	{
		printf("Channel %d: %.3f V\n", i, buf[i]);
	}
}

int main(int argc, char* argv[])
{
	int bQuit = 0;
  char selection;

	unsigned long devcnt=0;
	// Device type for iUSBDAQ is 0 according to user manual
	int rt = iUSBDAQ_EnumerateDev(0, &devcnt);
	if ( rt != iUSBDAQ_NOERROR)
	{
		return PrintError(rt);
	}
	printf("Found %d of iUSBDAQ connected, reading data from first iUSBDAQ\n", (int)devcnt);
	DevSession dev;
	rt = iUSBDAQ_OpenDevice(0, 0, &dev);
	if ( rt != iUSBDAQ_NOERROR)
	{
		return PrintError(rt);
	}
	float ch8[8];

  printf("HYTEK Automation 2007\r\n");
  printf("=================================\r\n");
  while(!bQuit)
  {
    printf("Press <Enter> to get next set of data, press <q+Enter> to quit\r\n");
    scanf("%c",&selection);

    if (selection != 'q' && selection != 'Q')
    {
			printf("Voltage of 8 channels:\r\n");
			rt = iUSBDAQ_ReadMultiAnalogIn(dev, 0, 8, 0, ch8, 0);
			if (rt != iUSBDAQ_NOERROR)
```

```
                {
                    iUSBDAQ_ReleaseDevice(dev);
                    return PrintError(rt);
                }
                else
                {
                    DisplayResult(ch8, 8);
                }

            }// end switch
            else
            {
                bQuit = 1;
            }
            fflush(stdin);printf("\r\n");
        }//end while

        iUSBDAQ_ReleaseDevice(dev);

        return 0;
}
```