

pointerToStaticData.c

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/*
File name: pointerToStaticData.c
Author: $Author: chadd $
Date: Sep 8, 2011
Class: CS300
Assignment: In Class Example
Purpose: Demonstrate pointers to static data
RevisionID: $Id: pointerToStaticData.c 36 2011-09-08 22:59:11Z chadd $
*/

#include <stdio.h>
#include <stdlib.h>

/*
Function: main
Description: sets a pointer to static data and then access that data via
the pointer
Parameters: None
Returned: None
*/
int main ()
{
    int value;
    int *pValue = &value;

    value = 8;

    printf ("%d %d\n", value, *pValue);

    /*
    * print the memory address of value and the memory address stored
    * in pValue
    */

    // %p means pointer (must be void *)
    printf ("%p %p\n", (void*) &value, (void*) pValue);

    return EXIT_SUCCESS;
}
```