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/*=====*/
/*  MODULE                STACK.C                */
/*=====*/
/*  FUNCTION                Testdriver for stack macro's in header-file STACK.H
*=====*/

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

/*+3 MODULE STACK.C -----*/
/*  NAME    00                main()                */
/*-- SYNOPSIS -----*/
main()
{
/*  DESCRIPTION
*   Simple testdriver for header file ERROR.H, with a full set of macro defs.
*   for stack operations.
*-3*/

    int        i;

    stack_dcl(postfix, int, 50);

    stack_clear(postfix);

    for (i = 0; i < 50; i++)
        push(postfix, i);

    for (i = 0; i < 51; i++)
        printf("stack[%d]=%d\n", i, pop(postfix));
}

/*+3 MODULE STACK.C -----*/
/*  NAME    01                vError()                */
/*-- SYNOPSIS -----*/
void
vError(type)
    int type;
{
/*  DESCRIPTION
*   Each user module must define an appropriate error handling function
*   called 'vError' to catch stack over/under-flow exceptions
*-3*/

    printf("Stack error %d\n", type);
}

/* END module STACK.C                */
/*=====*/

```