

## **Practice Problems:**

Your instructor may have made the following project available to you online:

[CPractice-Pointers](#)

If not, create your own project, copy the following into it, and solve the problems in that project.

(Continued on the next page.)

```

/*****
Practice problems for:
  -- Using Pointers to Send Information Back From a Function.
Problems designed by David Mutchler, July 2010.
*****/

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

int main() {
  /*****
    *** TODO 2 ***
  Write code here that tests
    pointerParameterSum (which you write below),
  as follows: Your code here should call  pointerParameterSum  with
  appropriate arguments and print appropriate values after the function
  call to test that  pointerParameterSum  works correctly.
  *****/

  /*****
    *** TODO 4 ***
  Write code here that tests
    sineAndCosine (which you write below),
  as follows: Your code here should call  sineAndCosine  with
  appropriate arguments and print appropriate values after the function
  call to test that  sineAndCosine  works correctly.
  *****/

  return EXIT_SUCCESS;
}

/*****
    *** TODO 1 ***
  Write a function called
    pointerParameterSum
  that takes THREE parameters: two double's and a pointer p to a double.
  It sets p's pointee to the sum of the first two parameters.
  *****/

/*****
    *** TODO 3 ***
  Write a function called
    sineAndCosine
  that takes a floating point number X and uses pointer parameters
  to send back two numbers to the caller:  the sine of X and the cosine of X.
  *****/

```