

Solution to Practice Problems #2:

```

/*****
SOLUTION to:  Practice problems for:
  -- Getting Input From the User by Using scanf.

The second problem (TODO's 4 and 3) also provides practice for:
  -- Using Pointers to Send Information Back From a Function.

Problems designed by David Mutchler, July 2010.  Solution by David Mutchler.
*****/
#include <stdio.h>
#include <stdlib.h>

void getTwoDoubles(double* x, double* y);

int main() {
  /*****
   *** TODO 4 ***
   Write code here that tests
       getTwoDoubles (which you write below),
   as follows:  Your code here should call  getTwoDoubles  with
   appropriate arguments to get two double's back from  getTwoDoubles.
   Then print the values sent back via those arguments to test
   that  getTwoDoubles  works correctly.
   *****/
  double x, y;

  getTwoDoubles(&x, &y);

  printf("%f %f\n", x, y);

  return EXIT_SUCCESS;
}

/*****
   *** TODO 3 ***
   Write a function called
       getTwoDoubles
   that has TWO parameters, each of which is a pointer to a double.
   It prompts for and inputs two floating-point numbers, and uses the pointer
   parameters to send back the two input numbers to the caller.
   *****/
void getTwoDoubles(double* x, double* y) {
  printf("Enter two floating-point numbers: ");
  fflush(stdout);

  scanf("%lf %lf", x, y);
}

```