

Practice Problems:

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

[CPractice-InputUsingScanf](#)

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

```

/*****
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.
*****/

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

int main() {
  /*****
   *** TODO 2 ***
   Write code here that calls
   printInputSum (which you write below).
  *****/

  /*****
   *** 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.
  *****/

  return EXIT_SUCCESS;
}

/*****
   *** TODO 1 ***
   Write a function called
   printInputSum

```

Getting Input From the User by Using *scanf*

that takes NO parameters. It prompts for and inputs:

- two floating-point numbers stored in double-precision variables (double)
- two integers stored in ordinary integer variables (int)
- two floating-point numbers stored in single-precision variables (float)

It then prints the sum of these six numbers.

Finally, after printing the sum, it prompts for a word, then prints "Hello " followed by the input word.

(You may assume the word the user enters is never more than 99 characters.)

Here is a sample run:

```
Enter 6 numbers (2 double's, 2 int's, 2 float's):
  10.1 -20.001 100 -90 5.1 6.29005
11.489050
Enter a word: TigerWoods
Hello TigerWoods
*****/

/*****
  *** 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.
*****/
```