

### **Exercise 1**

- Assume that you are interested in creating a program that guides the user on how to cook a turkey on Thanksgiving in a regular oven.
- Assume that you already have all the ingredients for the meal.
- Assume you are only cooking the turkey, not any other side dishes.

Write pseudocode that would execute the task of defrosting, seasoning, and putting the turkey in the oven. You cook for a specific period of time that is entered by the user. You then check whether it is done, and if not, you put it back and cook some more. You baste every time you check for doneness. This process will end when the turkey is done. It must be heated to the correct temperature, the correct color, and the correct seasoning (that is, you will be nibbling at it as you cook it for taste).

Your pseudocode should follow good programming best practices as shown throughout the first few chapters of the Farrell textbook. That is, a good amount of comments, START/STOP statements, etc. must be included.

### **Exercise 2**

Below you will find a short simple program. The program starts with some comments that describe the problem. Comments are lines that begin with two slashes (//). Following the comments, the pseudocode is presented that may have one or more bugs you must find and correct. If the pseudocode is correct, just plain state so as your answer.

```
// This pseudocode segment is intended to determine whether students have
// passed or failed a course based on the average score of two tests.
```

```
start
  Declarations
    num firstTest
    num secondTest
    num average
    num PASSING = 60
  output "Enter first score or 0 to quit"
  input firstTest
  while firstTest >= 0
    output "Enter second score"
    input secondTest
    average = (firstTest + secondTest) / 2
    output "Average is ", average
    if average >= PASSING then
      output "Pass"
    else
      output "Fail"
    endif
    output "Enter first score or 0 to quit"
    input firstTest
  endwhile
stop
```