Sheet 1

Problem 1: *Max*

The process of finding the largest number (i.e., the maximum of a group of numbers) is used frequently in computer applications. For example, a program that determines the winner of a sales contest would input the number of units sold by each salesperson. The salesperson who sells the most units wins the contest. Write a pseudocode program, then a program that inputs a series of 10 numbers, and determines and prints the largest of the numbers.
Hint: Your program should use three variables, as follows:

counter: A counter to count to 10 (i.e., to keep track of how many numbers have been input and to determine when all 10 numbers have been processed).

number: The current number input to the program.

largest: The largest number found so far.

Problem 2: *Hollow Square*

Write a program that reads in the size of the side of a square and then prints a hollow square of that size out of asterisks and blanks. Your program should work for squares of all side sizes between 1 and 20.
For example, if your program reads a size of *5*, it should print:

```
*****
*   *
*   *
*   *
*****
```