**Starting Out with Visual C#, 5th Edition**

**Chapter 1 Programming Problem Answers**

1. 11 decimal = 1011 binary

65 decimal = 1000001 binary

100 decimal = 1100100 binary

255 decimal = 11111111 binary

2. 1101 binary = 13 decimal

1000 binary = 8 decimal

101011 binary = 43 decimal

3. Let's assume your name is Amanda. The ASCII codes for each letter of your name is:

65 109 97 110 100 97

4. a. The items of input are:

1) The score for exam #1

2) The score for exam #2

3) The score for exam #3

b. 1) The sum of the exam scores is calculated.

2) The sum is divided by 3.

3) The result is the average of the three exam scores.

c. The output will be the result of the calculation in question b.