Chapter one is a good introduction to the basics of programming with C++, and general concepts about memory, the components of a computer and how computers work, programming languages, low and high level programming languages, and how a program is run by the CPU.

It also makes the difference between System Software and Application Software. It gives some very clear example programs and explaining them line by line. A list of common programming languages is shown in Table 1-1 with the description of what each programming language is designed for. I liked the steps from source code to executable code was explained in figure 1-6.

Table 1-2 shows the components of a programming language: reserved words, user-defined identifiers, operators, punctuation and syntax. It mentions the activities of a program:

*input, processing, and output.* Objects *cout* and *cin* from the iostream library are explained with example code. The differences between procedural programming and object oriented programming are clearly demonstrated in this chapter.