

5.1 Introduction

This chapter continues our presentation of structured-programming theory and principles by introducing all but one of Java's remaining control statements. We demonstrate Java's **for**, **do...while** and **switch** statements. Through a series of short examples using **while** and **for**, we explore the essentials of counter-controlled iteration. We use a **switch** statement to count the number of A, B, C, D and F grade equivalents in a set of numeric grades entered by the user. We introduce the **break** and **continue** program-control statements. We discuss Java's logical operators, which enable you to use more complex conditional expressions in control statements. Finally, we summarize Java's control statements and the proven problem-solving techniques presented in this chapter and [Chapter 4](#).