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CHAPTER 44 — The Daring do Statement

Chapter Topics:

- The do statement
- Bottom-driven loops
- Dangers of bottom-driven loops

Loops are so important, and are so common in programs, that there are several Java language features for implementing them. You have already seen `while` loops and `for` loops. This chapter looks at `do` loops.

A programming language needs to have only one general looping method. In Java, the `while` statement can be used to implement any type of loop. However, as we have seen, the `for` statement is very convenient. The `do` loop is occasionally convenient. Of the three looping statements, it is used the least. Some programmers prefer not to use it at all.

The `do` statement is not part of the AP (Advanced Placement) computer science test given to high school students in the US. It is not used in the chapters that follow this one.

QUESTION 1:

There are several looping statements in Java, although only one (any one of them) is logically necessary.

Are there also several *branching statements* in Java?   Branching?   Is only one of them necessary?