

## Chapter 18

# Do C While You Sleep

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### *In This Chapter*

- ▶ Introducing the `do-while` loop
  - ▶ Using a delay loop
  - ▶ Nesting loops
  - ▶ Creating a grid
  - ▶ Understanding the `continue` keyword
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*You're not done looping!  
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The `for` and `while` commands may be an odd couple, and they may be the official looping keywords of the C language, but that's not the end of the story. No, there's more than one way to weave a loop, particularly a `while` loop. This chapter covers this oddity of nature, even showing you a few situations where the mythical “upside-down” while loop becomes a necessity.

## *The Down-Low on Upside-Down do-while Loops*

A `while` loop may not repeat — no, not ever. If the condition it examines is false before the loop starts, the block of statements designed to repeat is skipped over like so many between-meal snacks would be if you really knew what's in them.

Witness the cold, cruel `while` statement:

```
while(v==0)
```