

Key point: An **if** statement can be inside another **if** statement to form a nested if statement.

Example.

```
if (i > k) {  
    if (j > k)  
        System.out.println("i and j are greater than k");  
} else  
    System.out.println("i is less than or equal to k");
```

Example

<pre>if (score >= 90) System.out.print("A"); else if (score >= 80) System.out.print("B"); else if (score >= 70) System.out.print("C"); else if (score >= 60) System.out.print("D"); else System.out.print("F");</pre>	<pre>if (score >= 90) System.out.print("A"); else if (score >= 80) System.out.print("B"); else if (score >= 70) System.out.print("C"); else if (score >= 60) System.out.print("D"); else System.out.print("F");</pre>
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(a)

(b)

- (a) is equivalent to (b)
- (b) has better style

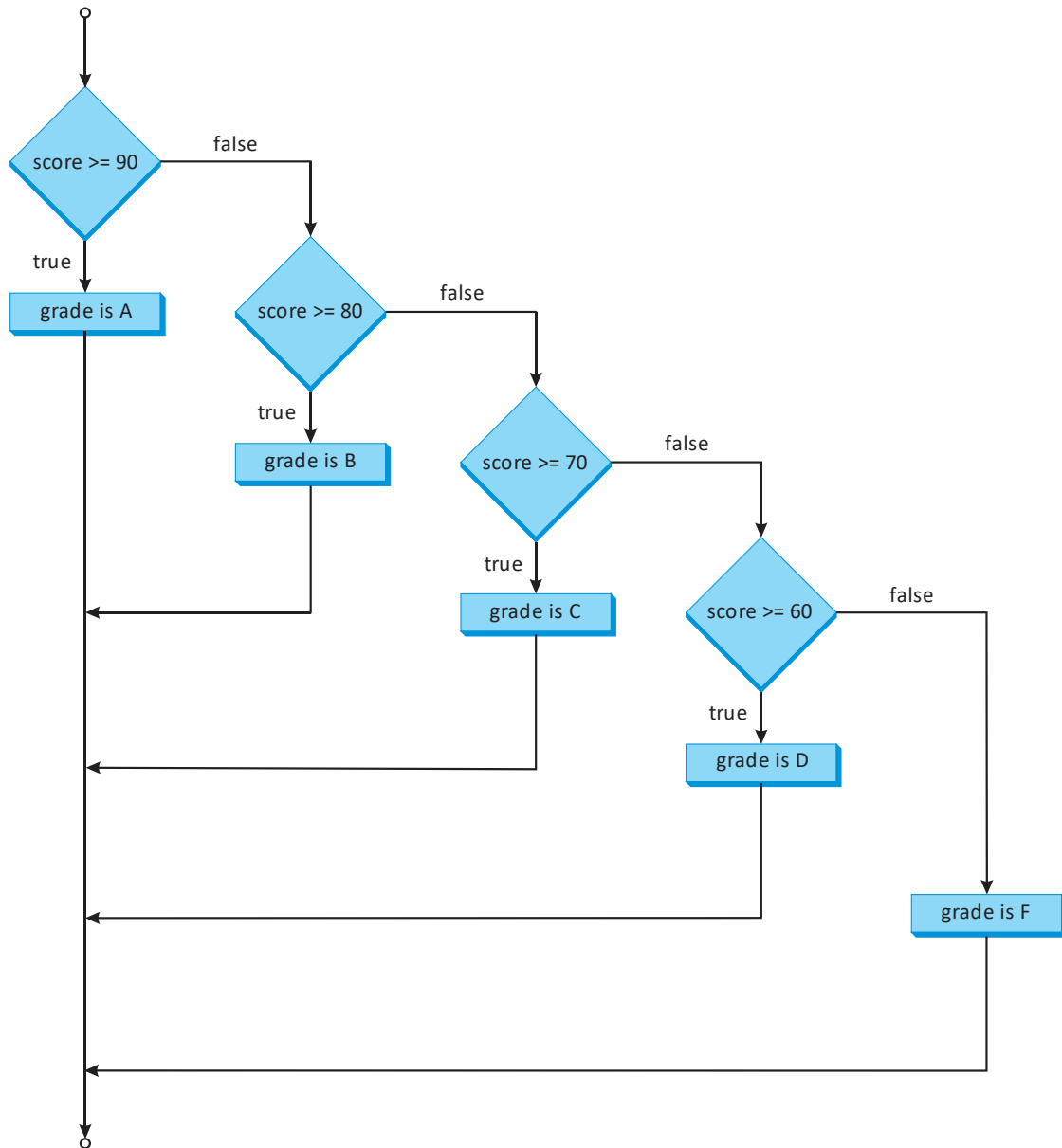


Figure 3.4 You can use a multi-way **if-else** to assign a grade.