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Exercises for Section 2.6

Exercise 2.6.1: Extend the lexical analyzer in Section 2.6.5 to remove comments, defined as follows:

- a) A comment begins with // and includes all characters until the end of that line.

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Exercises for Section 2.8

Exercise 2.8.1 For-statements in C and Java have the form:

```
for ( expr1 ; expr2 ; expr3 ) stmt
```

The first expression is executed before the loop; it is typically used for initializing the loop index. The second expression is a test made before each iteration of the loop; the loop is exited if the expression becomes 0. The loop itself can be thought of as the statement {stmt expr3;}. The third expression is executed at the end of each iteration; it is typically used to increment the loop index. The meaning of the for-statement is similar to

```
expr1; while (expr2) {stmt expr3;}
```

Define a class For for for-statements, similar to class If in Fig. 2.43.