

- e How are comments identified in Java?
- f What are member variables?
- g What is a self-referencing message?

## Exercises

- 11.1 In Chapter 4 we discussed the European class hierarchy. The Java code for this hierarchy is listed in Figure 11.11.
- a Identify the constructors for each class.
  - b Indicate the Java keyword that implements the inheritance relationship between the classes European and Briton.
  - c If we run the program, what would the output be?

### European class

```
1 public class European {  
2     private String language;  
3  
4     public European( ) {  
5         language = "";  
6     }  
7  
8     public void greet( ) {  
9     }  
10 }
```

### Briton class

```
11 public class Briton extends European {  
12     // 'private String language' does not need to be declared as it is inherited  
13  
14     public Briton( ) {  
15         language = "English";  
16     }  
17  
18     public void greet( ) {  
19         System.out.println ("Good morning");  
20     }  
21 }
```

### Frenchman class

```
22 public class Frenchman extends European {  
23     //'private String language' does not need to be declared as it is inherited  
24  
25     public Frenchman( ) {  
26         language = "French";  
27     }
```

Figure 11.11 Java code for the European hierarchy