

```
1 class ButlerRobot extends DomesticRobot
2 {
3     // 'String meansOfMobility' not required because inherited
4     // 'String language' not required because inherited
5
6     Butler()
7     {
8         meansOfMobility = "two legs";
9         language = "English";
10    }
11
12    void perform()
13    {
14        System.out.println(" I answer the door");
15    }
16 }
```

Figure 4.30 The Java code for the Butler class in the Robot hierarchy

Table 4.4: Method implementations for classes in the Robot hierarchy

Class	Method specification for perform()
Robot	undefined
Humanoid	undefined
DomesticRobot	undefined
AlienRobot	undefined
CookRobot	prepare meal
MaidRobot	clean stairs
ButlerRobot	answer door
MartianRobot	transmit reports to earth in <i>language</i>
WierdoRobot	converse with other heads in <i>language</i>
AnimalRobot	do <i>bestTrick</i> and make <i>noise</i>
DogRobot	If noisy: do <i>bestTrick</i> and make <i>noise, noise, noise, noise</i> ; Else do <i>bestTrick</i> and make <i>noise</i>
CatRobot	do <i>bestTrick</i> and make <i>noise</i> ; do <i>extraTrick</i>