

```

1 // foj/l/bank/BankAccount.java
2 //
3 //
4 // Copyright 2003 Bill Campbell and Ethan Bolker
5
6 /**
7  * A BankAccount object has a private field to keep track
8  * of this account's current balance, and public methods to
9  * return and change the balance.
10 *
11 * @see Bank
12 * @version 1
13 */
14
15 public class BankAccount
16 {
17     private int balance; // work only in whole dollars
18
19     /**
20      * A constructor for creating a new bank account.
21      *
22      * @param initialBalance the opening balance.
23      */
24
25     public BankAccount( int initialBalance )
26     {
27         this.deposit( initialBalance );
28     }
29
30     /**
31      * Withdraw the amount requested.
32      *
33      * @param amount the amount to be withdrawn.
34      */
35
36     public void withdraw( int amount )
37     {
38         balance = balance - amount;
39     }
40
41     /**
42      * Deposit the amount requested.
43      *
44      * @param amount the amount to be deposited.
45      */
46
47     public void deposit( int amount )
48     {
49         balance = balance + amount;
50     }
51
52     /**
53      * The current account balance.
54      *
55      * @return the current balance.
56      */

```

```

57
58     public int getBalance()
59     {
60         return balance;
61     }
62 }

```