

```

1 // fo1/5/bank/CheckingAccount.java
2 //
3 //
4 // Copyright 2003 Bill Campbell and Ethan Bolker
5
6 /**
7  * A CheckingAccount is a BankAccount with one new feature:
8  * the ability to cash a check by calling the honorCheck method.
9  * Each honored check costs the customer a checkFee.
10 *
11 * @version 5
12 */
13
14 public class CheckingAccount extends BankAccount
15 {
16     private static int checkFee = 2; // pretty steep for each check
17
18     /**
19      * Constructs a CheckingAccount with the given
20      * initial balance and issuing Bank.
21      * Counts as this account's first transaction.
22      */
23     * @param initialBalance the opening balance for this account.
24     * @param issuingBank the bank that issued this account.
25     */
26
27     public CheckingAccount( int initialBalance, Bank issuingBank )
28     {
29         super( initialBalance, issuingBank );
30     }
31
32     /**
33      * Honor a check:
34      * Charge the account the appropriate fee
35      * and withdraw the amount.
36      */
37     * @param amount amount (in whole dollars) to be withdrawn.
38     * @return the amount withdrawn.
39     */
40
41     public int honorCheck( int amount )
42     {
43         incrementBalance( - checkFee );
44         return withdraw( amount );
45     }
46
47     /**
48      * Action to take when a new month starts.
49      */
50
51     public void newMonth()
52     {
53     }
54 }

```