```
 1  // joi/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37       * @param amount amount (in whole dollars) to be withdrawn.
38       * @return the amount withdrawn.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  }
```