/**
 * A BankAccount object has a private field to keep track
 * of this account's current balance, and public methods to
 * return and change the balance.
 *
 * @see Bank
 * @version 1
 */

public class BankAccount{

private int balance;  // work only in whole dollars

/**
 * A constructor for creating a new bank account.
 *
 * @param initialBalance the opening balance.
 */

public BankAccount( int initialBalance )
{
    this.deposit( initialBalance );
}

/**
 * Withdraw the amount requested.
 *
 * @param amount the amount to be withdrawn.
 */

public void withdraw( int amount )
{
    balance = balance - amount;
}

/**
 * Deposit the amount requested.
 *
 * @param amount the amount to be deposited.
 */

public void deposit( int amount )
{
    balance = balance + amount;
}

/**
 * The current account balance.
 *
 * @return the current balance.
 */

public int getBalance()
{
    return balance;
}
}