/**
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 *
 * 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     * @param amount the amount to be withdrawn.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;
    }

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