/**
 * A BankAccount object has private fields to keep track of its current balance, the number of transactions performed, and the Bank in which it is an account, and public methods to access those fields appropriately.
 */

public class BankAccount {
  private int balance = 0; // Account balance (whole dollars)
  private int transactionCount = 0; // Number of transactions performed.
  private Bank issuingBank; // Bank issuing this account

  public BankAccount(int initialBalance, Bank issuingBank) {
    this.issuingBank = issuingBank;
    deposit(initialBalance);
  }

  public int withdraw(int amount) {
    incrementBalance(-amount);
    countTransaction();
    return amount;
  }

  public int deposit(int amount) {
    incrementBalance(amount);
    countTransaction();
    return amount;
  }

  public int requestBalance() {
    countTransaction();
    return getBalance();
  }

  public int getBalance() {
    return balance;
  }

  public void incrementBalance(int amount) {
    balance += amount;
    this.getIssuingBank().incrementBalance(amount);
  }

  public int getTransactionCount() {
    return transactionCount;
  }

  public void setIssuingBank(Bank issuingBank) {
    this.issuingBank = issuingBank;
  }
}

/**
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 */

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```java
public int getTransactionCount() {
    return transactionCount;
}

/**
 * Increment by 1 the count of transactions, for this account
 * and for the issuing Bank.
 * Does NOT count as a transaction.
 */

public void countTransaction() {
    transactionCount++;
    this.getIssuingBank().countTransaction();
}

/**
 * Get the bank that issued this account.
 * Does NOT count as a transaction.
 *
 * @return issuing bank.
 */

public Bank getIssuingBank() {
    return issuingBank;
}
```