import java.util.Date;

class Book {

    int bookNumber;

    boolean isAvailable;

    public Book(int bookNumber) {

        this.bookNumber = bookNumber;

        this.isAvailable = true;

    }

    public void markBorrowed() {

        isAvailable = false;

    }

    public void markReturned() {

        isAvailable = true;

    }

}

class Member {

    int memberId;

    Book borrowedBook;

    public Member(int memberId) {

        this.memberId = memberId;

        this.borrowedBook = null;

    }

    public void clearBorrowedBook() {

        borrowedBook = null;

    }

}

class Loan {

    boolean loanStatus;

    Date borrowDate;

    Date returnDate;

    public Loan() {

        loanStatus = false;

    }

    public void startLoan(Date borrowDate) {

        this.loanStatus = true;

        this.borrowDate = borrowDate;

    }

    public void endLoan(Date returnDate) {

        this.loanStatus = false;

        this.returnDate = returnDate;

    }

}

public class LibraryManagementSystem {

    Book book = new Book(101);

    Member member = new Member(1);

    Loan loan = new Loan();

    public String borrowBook(Date borrowDate) {

        if (book.isAvailable && member.borrowedBook == null && !loan.loanStatus) {

            book.markBorrowed();

            member.borrowedBook = book;

            loan.startLoan(borrowDate);

            return "Borrowed successfully!";

        }

        return "Cannot borrow.";

    }

    public String returnBook(Date returnDate) {

        if (loan.loanStatus && member.borrowedBook != null) {

            book.markReturned();

            member.clearBorrowedBook();

            loan.endLoan(returnDate);

            return "Returned successfully!";

        }

        return "No active loan to return.";

    }

    public static void main(String[] args) {

    LibraryManagementSystem library = new LibraryManagementSystem();

        Date borrowDate = new Date(); // Example borrow date

        System.out.println(library.borrowBook(borrowDate));

        System.out.println("Borrow Date: " + borrowDate);

        Date returnDate = new Date(); // Example return date

        System.out.println(library.returnBook(returnDate));

        System.out.println("Return Date: " + returnDate);

    }

}