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import java.util.Scanner;

// Custom exception for insufficient balance
class InsufficientBalanceException extends Exception {
    public InsufficientBalanceException(String message) {
        super(message);
    }
}

// Bank Account class
class BankAccount {
    private double balance;

    public BankAccount(double initialBalance) {
        this.balance = initialBalance;
    }

    public void deposit(double amount) {
        if (amount > 0) {
            balance += amount;
            System.out.println("Deposited: " + amount);
            System.out.println("Current Balance: " + balance);
        } else {
            System.out.println("Deposit amount must be positive.");
        }
    }

    public void withdraw(double amount) {
        try {
            if (amount > balance) {
                // Creating an exception object before throwing it
                InsufficientBalanceException ex = new InsufficientBalanceException(
                    "Insufficient balance! Available balance: " + balance);
                throw ex; // Throwing the created object
            } else if (amount <= 0) {
                System.out.println("Withdrawal amount must be positive.");
            } else {
                balance -= amount;
                System.out.println("Withdrawn: " + amount);
                System.out.println("Remaining Balance: " + balance);
            }
        } catch (InsufficientBalanceException ex) {
            System.out.println(ex.getMessage());
        }
    }
}
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    }
} catch (InsufficientBalanceException e) {
    System.out.println("Error: " + e.getMessage()); // Catching and handling the exception
}
}

public void checkBalance() {
    System.out.println("Current Balance: " + balance);
}
}

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// Main class

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public class BankProgram {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        try {
            // Step 1: Enter Initial Balance
            System.out.print("Enter initial balance: ");
            double initialBalance = scanner.nextDouble();
            BankAccount account = new BankAccount(initialBalance);

            // Step 2: Banking Menu
            while (true) {
                System.out.println("\n1. Deposit");
                System.out.println("2. Withdraw");
                System.out.println("3. Check Balance");
                System.out.println("4. Exit");
                System.out.print("Choose an option: ");
                int choice = scanner.nextInt();

                switch (choice) {
                    case 1:
                        System.out.print("Enter deposit amount: ");
                        double depositAmount = scanner.nextDouble();
                        account.deposit(depositAmount);
                        break;
                    case 2:
                        System.out.print("Enter withdrawal amount: ");
                        double withdrawAmount = scanner.nextDouble();
                        account.withdraw(withdrawAmount); // Exception handled inside method
                        break;
                    case 3:

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        account.checkBalance();
        break;
    case 4:
        System.out.println("Thank you for using our banking system.");
        scanner.close();
        return;
    default:
        System.out.println("Invalid option. Please try again.");
    }
}
} finally {
    scanner.close();
}
}
```