#include <iostream>

#include<iomanip>

class BankAccount {

private:

    double balance;

public:

    BankAccount(double initialBalance = 0.0) : balance(initialBalance) {}

    // function to deposit money into the account

    void deposit(double amount){

        balance += amount;

        std::cout << "Deposited ₹" << amount << " into your account." << std::endl;

    }

    // Function to withdraw money from the account

    bool withdraw(double amount) {

        if(balance >= amount) {

            balance -= amount;

            std::cout << "Withdraw ₹" << amount << "from your account." << std::endl;

            return true;

        }else{

            std::cout << "Insufficient funds to withdraw ₹" << amount <<" from your account." << std::endl;

            return false;

        }

    }

       // Function to display balance

       void displayBalance() const {

           std::cout << "Current balance: ₹" << balance << std::endl;

       }

};

       int main(){

           BankAccount account;

           int choice;

           double amount;

        std::cout << "Welcome to the simple Banking System!" << std::endl;

        do{

            std::cout << "\nMenu:\n1.Deposit\n2.Withdraw\n3.Check Balance\n4.Exit\nEnter your choice: ";

            std:: cin >> choice;

            switch(choice) {

            case 1:

                std::cout << "Enter amount to deposit: ₹";

                std::cin >> amount;

                account.deposit(amount);

            break;

            case 2:

                std::cout << "Enter amount to withdraw: ₹";

                std::cin >> amount;

                account.withdraw(amount);

            break;

            case 3:

                account.displayBalance();

            break;

            case 4:

                std::cout << " Thank you for using the Simple Banking System!" << std::endl;

            break;

            default:

                std::cout << "Invalid choice. Please try again." << std::endl;

            }

        }while (choice !=4);

return 0;

}