#include <stdio.h>

int main() {

int pin = 1234, enteredPin, option;

double balance = 1000.00; // Initial balance

double deposit, withdraw;

printf("Enter ATM PIN: ");

scanf("%d", &enteredPin);

// Check if entered pin is correct

if (enteredPin != pin) {

printf("Incorrect PIN. Access denied.\n");

return 0; // End the program if the PIN is incorrect

}

while (1) {

// Display options to the user

printf("\nATM Menu:\n");

printf("1. Check Balance\n");

printf("2. Deposit\n");

printf("3. Withdraw\n");

printf("4. Exit\n");

printf("Enter your choice: ");

scanf("%d", &option);

switch (option) {

case 1: // Check Balance

printf("Your current balance is: $%.2f\n", balance);

break;

case 2: // Deposit

printf("Enter amount to deposit: $");

scanf("%lf", &deposit);

if (deposit > 0) {

balance += deposit;

printf("You have successfully deposited $%.2f\n", deposit);

} else {

printf("Invalid deposit amount.\n");

}

break;

case 3: // Withdraw

printf("Enter amount to withdraw: $");

scanf("%lf", &withdraw);

if (withdraw <= balance) {

balance -= withdraw;

printf("You have successfully withdrawn $%.2f\n", withdraw);

} else {

printf("Insufficient balance.\n");

}

break;

case 4: // Exit

printf("Thank you for using the ATM. Goodbye!\n");

return 0; // Exit the program

default:

printf("Invalid choice. Please try again.\n");

}

}

return 0;

}