using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication1

{

    internal class Program

    {

        public static void Main(string[] args)

        {

            Banking();

            Console.ReadLine();

        }

        public static void Banking()

        {

            Console.WriteLine("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* WELCOME TO ATM BANKING-DEVELOPED BY TANVIR \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

            //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ACCOUNT NUMBER, BALANCE AND PIN SETUP\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

            var AccountNumber = new List<int>() { 255, 983, 456, 555 };

            var PinNumber = new List<int>() { 7978, 0101, 5050, 111 };

            var Balance = new List<int>() { 10000, 40000, 2000, 20000};

            //\*\*\*\*\*\*\*\*\*\*\*\*\*USER INPUT FOR ACCOUNT NUMBER & PIN\*\*\*\*\*\*\*\*\*\*\*\*\*\*

            Console.Write("Please Enter your Account Number: ");

            var CardInput = int.Parse(Console.ReadLine());

            Console.Write("Please Enter Your pin: ");

            var PinInput = int.Parse(Console.ReadLine());

            int p, l,n;

            //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ACCOUNT, PIN NUMBER CHECK & CHOICE SELECTION FOR TRANSACTION\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

            for (p = 0; p < AccountNumber.Count; p++)

            {

                for (l = 0; l < PinNumber.Count; l++)

                {

                    for (n = 0; n < Balance.Count; n++)

                    {

                        if ((CardInput == AccountNumber[p] && PinInput == PinNumber[l])&&(p==n)&&(p==l))

                        {

                            for (int i = 0; i < 3; i++)

                                //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*LOOP FOR UPTO THREE TIME TRANSACTION PROCESS\*\*\*\*\*\*\*\*\*\*\*\*\*\*

                            {

                                Console.WriteLine("Please Choose Your Transaction: ");

                                Console.WriteLine("\t1. Withdraw Money\n\t2. Balance Check\n\t3. Exit");

                                Console.Write("Enter Your Choice Now: ");

                                var choice = int.Parse(Console.ReadLine());

                                // \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*WITHDRW MONEY CODE\*\*\*\*\*\*\*\*\*\*\*

                                if (choice == 1)

                                {

                                    Console.Write("Enter Your Amount: ");

                                    var withdraw = int.Parse(Console.ReadLine());

                                    // \*\*\*\*FIRST ACCOUNT WITHDRAW MONEY\*\*\*\*\*\*\*\*\*\*\*\*

                                    if (CardInput == AccountNumber[p] && PinInput == PinNumber[l] && withdraw<=1000)

                                    {

                                        var Balance1 = Balance[n];

                                        var CurrentBalance1 = Balance[n] - withdraw;

                                        Balance[n] = CurrentBalance1;

                                        if (CurrentBalance1 > 20)

                                        {

                                            Console.WriteLine("Success Withdraw. New Balance is: " + CurrentBalance1);

                                            Console.Write("Do you Want to Quit? Yes OR No: ");

                                            var quit1 = Console.ReadLine();

                                            if (quit1 == "yes")

                                            {

                                                Environment.Exit(0);

                                            }

                                            else if (quit1 == "no")

                                            {

                                                Console.WriteLine("OK.Try Again From Scratch");

                                            }

                                        }

                                        else

                                        {

                                            Console.WriteLine("Sorry Not Enough Balance!\nYour Balance is: " + Balance1);

                                            Console.Write("Do you Want to Quit? Yes OR No: ");

                                            var quit1 = Console.ReadLine();

                                            if (quit1 == "yes")

                                            {

                                                Environment.Exit(0);

                                            }

                                            else if (quit1 == "no")

                                            {

                                                Console.WriteLine("OK.Try Again From Scratch");

                                            }

                                        }

                                    }

                                    else

                                    {

                                        Console.WriteLine("You can not withdraw more than 1000 Tk\nTry Again");

                                    }

                                }

                                    // \*\*\*\*\*\*\*\*\*\*ONLY BALANCE CHECK CODE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

                                else if (choice == 2)

                                {

                                    // \*\*\*\*\*\*\*\*\*\*ONLY BALANCE CHECK CODE FOR ACCOUNT ONE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

                                    if (CardInput == AccountNumber[p] && PinInput == PinNumber[l])

                                    {

                                            Console.WriteLine("Your Balance is:" + Balance[n]);

                                            Console.Write("Do you Want to Quit? Yes OR No: ");

                                            var quit1 = Console.ReadLine();

                                            if (quit1 == "yes")

                                            {

                                                Environment.Exit(0);

                                            }

                                            else if (quit1 == "no")

                                            {

                                                Console.WriteLine("OK.Try Again From Scratch");

                                            }

                                    }

                                }

                                    // \*\*\*\*\*\*\*\*\*\*EXIT CODE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

                                else if (choice == 3)

                                {

                                    Environment.Exit(0);

                                }

                                    // \*\*\*\*\*\*\*\*\*\* CHOICE NOT MATCHED, CODE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

                                else

                                {

                                    Console.WriteLine("Sorry!! Wrong Choice!");

                                    Console.Write("Try Again From Scratch");

                                }

                            }

                        }

                    }

                }

            }

            // \*\*\*\*\*\*\*\*\*\* THREE TIMES TRIED FOR THE USER. BUT FAILED or PIN AND ACCOUNT NOT MATCHED \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

            Console.WriteLine("Sorry something wrong ");

        }

    }

}