Payoda-Phase2 – Day5(04-08-23)

C#

Task 1: Create a C# program that models a simple banking system using classes and objects. Design a class called "BankAccount".

BankAccount.cs:

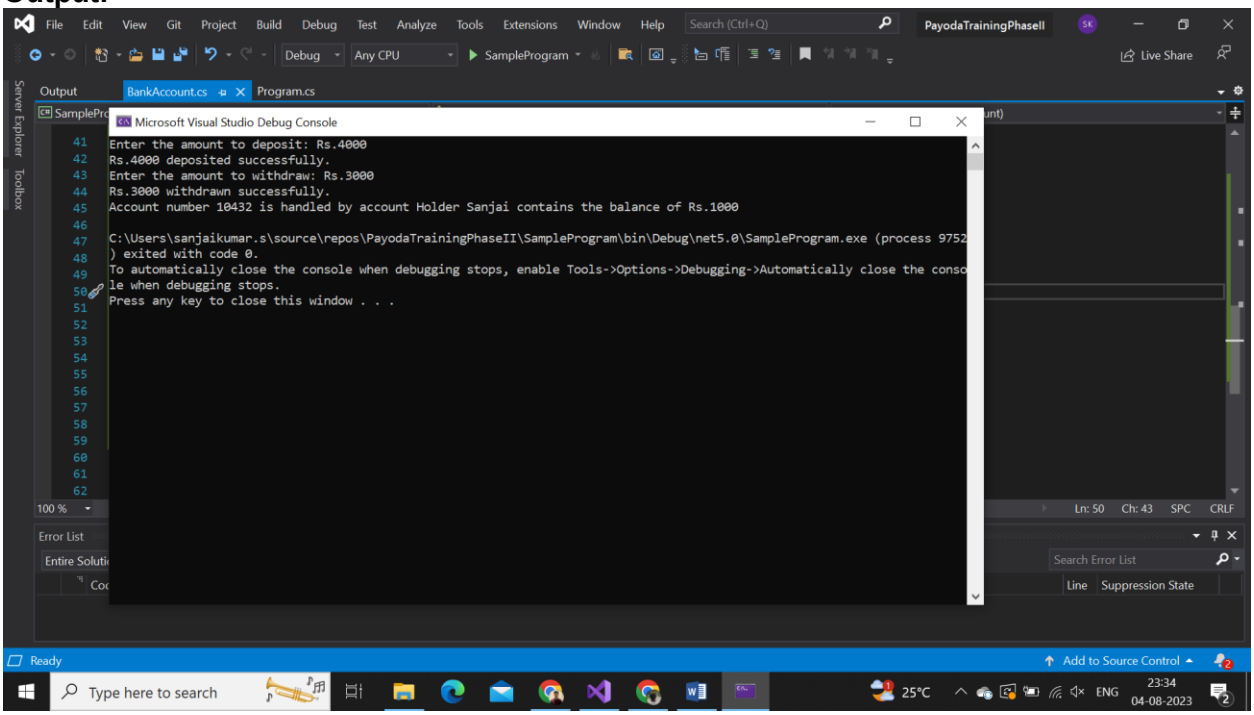
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace SampleProgram
{
    class BankAccount
    {
        private readonly int _account_number;
        private string accountholdername;
        private int accountbalance = 0;

        public BankAccount(int _account_number, string account_holdername)
        {
            this._account_number = _account_number;
            Account_holdername = account_holdername;
        }

        public int Account_number => _account_number;

        public string Account_holdername { get => accountholdername; set =>
accountholdername = value; }
        public int Account_balance { get => accountbalance; set => accountbalance =
value; }

        public int amountDeposit(int amount)
        {
            if (amount <= 0)
            {
                Console.WriteLine("Invalid deposit amount. Deposit amount must be greater
than zero.");
                return -1;
            }
            else
            {
                Account_balance += amount;
                return Account_balance;
            }
        }


        public int amountWithdraw(int amount)
        {
            if (amount <= 0)
            {
```

```
                Console.WriteLine("Invalid withdrawal amount. Withdrawal amount must be
greater than zero.");
                return -1;
            }
            else if (amount > Account_balance)
            {
                Console.WriteLine("Insufficient balance.");
                return -1;
            }
            else
            {
                Account_balance -= amount;
                return amount;
            }
        }

    }
}
```

Program.cs:

```
using System;

namespace SampleProgram
{
    class Program
    {
        static void Main(string[] args)
        {
            BankAccount bankaccount = new BankAccount(10432, "Sanjai");

            // Deposit
            Console.Write("Enter the amount to deposit: Rs.");
            int depositAmount = Convert.ToInt32(Console.ReadLine());
            int depositedAmount = bankaccount.amountDeposit(depositAmount);
            if (depositedAmount > 0)
            {
                Console.WriteLine($"Rs.{depositedAmount} deposited successfully.");
            }

            // Withdraw
            Console.Write("Enter the amount to withdraw: Rs.");
            int withdrawAmount = Convert.ToInt32(Console.ReadLine());
            int withdrawnAmount = bankaccount.amountWithdraw(withdrawAmount);
            if (withdrawnAmount > 0)
            {
                Console.WriteLine($"Rs.{withdrawnAmount} withdrawn successfully.");
            }

            // Display final account details
            Console.WriteLine($"Account number {bankaccount.Account_number} is handled by
account Holder {bankaccount.Account_holdername} contains the balance of
Rs.{bankaccount.Account_balance}");
        }
    }
}
```

Output:



Output2: