using System;

namespace Mybank

{

class Program

{

static void Main(string[] args)

{

var account = new Bankaccount("Lakshmikar", 5000);

Console.WriteLine($"Account {account.Number} was created for {account.Owner} with {account.Balance} .");

account.MakeWithdrawal(2300, DateTime.Now, "To Rajesh");

Console.WriteLine("Remaining Balance is "+ account.Balance);

account.MakeWithdrawal(1060, DateTime.Now, "To Balaji");

Console.WriteLine("Remaining Balance is " + account.Balance);

account.MakeWithdrawal(1000, DateTime.Now, "To Hareesh");

Console.WriteLine("Remaining Balance is " + account.Balance);

Console.WriteLine(account.GetAccountHistory());

}

}

}

using System;

using System.Collections.Generic;

using System.Text;

namespace Mybank

{

class Bankaccount

{

public string Number { get; }

public string Owner { get; set; }

public decimal Balance

{

get

{

decimal balance = 0;

foreach (var item in allTransactions)

{

balance += item.Amount;

}

return balance;

}

}

private static int accountNumberSeed =799766774;

private List<Transaction> allTransactions = new List<Transaction>();

public Bankaccount(string name, decimal initialBalance)

{

this.Owner = name;

MakeDeposit(initialBalance, DateTime.Now, "initial Balance");

this.Number = accountNumberSeed.ToString();

accountNumberSeed++;

}

public void MakeDeposit(decimal amount, DateTime date, string note)

{

var deposit = new Transaction(amount, date, note);

allTransactions.Add(deposit);

}

public void MakeWithdrawal(decimal amount, DateTime date, string note)

{

var withdrawal = new Transaction(-amount, date, note);

allTransactions.Add(withdrawal);

}

public string GetAccountHistory()

{

var report = new StringBuilder();

report.AppendLine("Date\t\tAmount\tNote");

foreach (var item in allTransactions)

{

report.AppendLine($"{item.Date.ToShortDateString()}\t{item.Amount}\t{item.Notes}");

}

return report.ToString();

}

}

}

using System;

using System.Collections.Generic;

using System.Text;

namespace Mybank

{

public class Transaction

{

public decimal Amount { get; }

public DateTime Date { get; }

public string Notes { get; }

public Transaction(decimal amount, DateTime date, string note)

{

this.Amount = amount;

this.Date = date;

this.Notes = note;

}

}

}

