Assignment 5

C# Language

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Create a Console App with following features:

Enter Your 4 Digit Pin

1234

WELCOME TO ABC BANK ATM SERVICE

1. Current Balance

2. Withdraw

3. Deposit

4. Cancel

ENTER YOUR CHOICE: 1

YOUR CURRENT BALANCE IS Rs: 2034

(or)

ENTER YOUR CHOICE: 2

ENTER THE WITHDRAW AMOUNT: 1500

PLEASE COLLECT YOUR CASH

CURRENT BALANCE IS Rs: 534

(or)

ENTER YOUR CHOICE : 3

ENTER THE DEPOSIT AMOUNT

1500

YOUR AMOUNT HAS BEEN DEPOSITED SUCCESSFULLY.

YOUR TOTAL BALANCE IS Rs: 3534

(or)

ENTER YOUR CHOICE: 4

THANK YOU…

THANKS FOR USING ABCATM SERVICE

Solution

using System;

namespace ATMTransactionApp

{

class ATMService

{

int bal = 5000;

public void selectOption()

{

int choice = 0;

Console.WriteLine("WELCOME TO ABC BANK ATM SERVICE");

Console.WriteLine("\n1.Current Balance\n2.Withdraw\n3.Deposit\n4.Cancel");

while (choice != 4)

{

Console.WriteLine("ENTER YOUR CHOICE:");

choice = Convert.ToInt32(Console.ReadLine());

switch (choice)

{

case 1: choice1(); break;

case 2: choice2(); break;

case 3: choice3(); break;

case 4: choice4(); break;

default: choiceDefault(); break;

}

}

}

public void choice1()

{

Console.WriteLine($"YOUR CURRENT BALANCE IS Rs: {bal}");

}

public int choice2()

{

int withdrawAmount;

Console.WriteLine("ENTER THE WITHDRAW AMOUNT: ");

withdrawAmount = Convert.ToInt32(Console.ReadLine());

if (withdrawAmount > bal)

{

Console.WriteLine("Withdraw Amount is larger than Balanace.");

return 0;

}

bal = bal - withdrawAmount;

Console.WriteLine("PLEASE COLLECT YOUR CASH");

Console.WriteLine($"CURRENT BALANCE IS Rs: {bal}");

return 0;

}

public void choice3()

{

int depositAmount;

Console.WriteLine("ENTER THE DEPOSIT AMOUNT: ");

depositAmount = Convert.ToInt32(Console.ReadLine());

bal = bal + depositAmount;

Console.WriteLine("YOUR AMOUNT HAS BEEN DEPOSITED SUCCESSFULLY.");

Console.WriteLine($"YOUR TOTAL BALANCE IS Rs: {bal}");

}

public void choice4()

{

Console.WriteLine("THANK YOU… \nTHANKS FOR USING ABC ATM SERVICE");

}

public void choiceDefault()

{

Console.WriteLine("Wrong Choice... Please Enter from the given options");

}

}

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter the Pin: ");

int pin = Convert.ToInt32(Console.ReadLine());

ATMService atmService = new ATMService();

if (pin == 1234)

{

atmService.selectOption();

}

else

{

Console.WriteLine("Wrong Pin");

}

}

}

}