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import java.util.*;

public class BankApp
{
    public static void main(String[] args)
    {
        Scanner obj = new Scanner(System.in);
        BankAccount object = new BankAccount("nithya", "001");
        object.ShowMenu();
    }
}

class BankAccount
{
    int balance;
    int previousTransaction;
    String CustomerName;
    String CustomerID;

    BankAccount(String cname, String cid)
    {
        CustomerName = cname;
        CustomerID = cid;
    }

    void deposit(int amount)
    {
        if (amount != 0)
        {
            balance = balance + amount;
            previousTransaction = amount;
        }
    }

    void withdraw(int amount)
    {
        if (amount != 0)
        {
            balance = balance - amount;
            previousTransaction = -amount;
        }
    }

    void getPreviousTransaction()
    {
        if (previousTransaction > 0)
        {

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        System.out.println("DEPOSITED :" + previousTransaction);
    }
    else if (previousTransaction < 0)
    {
        System.out.println("WITHDRAWN :" + Math.abs(previousTransaction));
    }
    else
    {
        System.out.println("NO TRANSACTION IS OCCURED");
    }
}

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void ShowMenu()
{
    char option = '\0';
    Scanner obj = new Scanner(System.in);
    System.out.println("WELCOME " + CustomerName);
    System.out.println("YOUR ID is " + CustomerID);
    System.out.println();
    System.out.println("A. CHECK BANK BALANCE");
    System.out.println("B. DEPOSIT");
    System.out.println("C. WITHDRAW");
    System.out.println("D. PREVIOUS TRANSACTION");
    System.out.println("E. EXIT");

    do
    {
        System.out.println("=====");
        System.out.println("ENTER OPTION");
        System.out.println("=====");
        option = obj.next().charAt(0);
        Character.toUpperCase(option);

        switch (option)
        {
            case 'A':
                System.out.println("=====");
                System.out.println("Balance is :" + balance);
                System.out.println("=====");
                System.out.println();
                break;

            case 'B':

                System.out.println("=====");
                System.out.println("Enter the Amount to deposit :");
                System.out.println("=====");
                int amount = obj.nextInt();
                deposit(amount);
                System.out.println();

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        break;

    case 'C':
        System.out.println("=====");
        System.out.println("Enter the amount to withdraw");
        System.out.println("=====");
        int amount2 = obj.nextInt();
        withdraw(amount2);
        System.out.println();
        break;

    case 'D':
        System.out.println("=====");
        getPreviousTransaction();
        System.out.println("=====");
        System.out.println();
        break;

    case 'E':
        System.out.println("=====");
        break;

    default:

        System.out.println("INVALID OPTION ! TRY AGAIN LATER");
        break;

    }
}
while (option != 'E');
}
}

```