```java
package programs;
import java.util.Scanner;
public class BankingSystem {

    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
     int arr[]=new int[5];
     int i=0;
        String name;
        System.out.println("Enter your name");
        name=sc.nextLine();
        String id;
        System.out.println("Enter your Id");
        id=sc.nextLine();
        BankAccount obj1=new BankAccount(name,id);
        obj1.showMenu(arr,i);
        sc.close();
    }
}


package programs;
import java.util.*;
import java.util.Scanner;

public class BankAccount {


        int balance;
        int previous;
        String CustomerName;
        String customerId;

        BankAccount(String name,String id){
            CustomerName=name;
            customerId=id;
        }
        void deposit(int amount){
            if(amount!=0){
                balance=balance+amount;
                previous=amount;
            }
        }


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

        void getprevious(){
            if(previous>0){
```

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                System.out.println("Deposited: "+previous);
            }
            else if(previous<0){
                System.out.println("Withdrawn: "+Math.abs(previous));
            }
            else{
                System.out.println("No transaction occurred");
            }
        }

    void store(int amount,int i,int arr[]) {
     arr[i]=amount;
      System.out.println("YOUR PREVIOUS TRANSACTIONS ARE");
    try {
    for(int j=0;j<i+1;j++) {
     if(arr[j]<0) {
         System.out.println("Withdrawn");
     System.out.println(Math.abs(arr[j]));
     }
     else {
       System.out.println("Deposit");
       System.out.println(Math.abs(arr[j]));
     }
    }
    }
    catch(Exception e) {

    }
    finally {
     System.out.println("Thankyou for choosing our services");
    }
     }


    void showMenu(int arr[],int i){
        char option='\0';
        Scanner sc=new Scanner(System.in);
        System.out.println("Welcome "+CustomerName);
        System.out.println("Your Id is: "+customerId);
        System.out.println("\n");
        System.out.println("A. Check 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 an option");

System.out.println("==========================================");
        option=sc.next().charAt(0);
        System.out.println("\n");
```

```java
switch(option){
    case 'A':
        System.out.println("---------------------------------
------");

        System.out.println("Balance= "+balance);
        System.out.println("---------------------------------
------");

        System.out.println("\n");
        break;

    case 'B':
        System.out.println("---------------------------------
------");

        System.out.println("Enter an Amount to Deposit");
        System.out.println("---------------------------------
------");

        int amount=sc.nextInt();
        deposit(amount);
        store(amount,i++,arr);
        System.out.println("\n");
        break;

    case 'C':
        System.out.println("---------------------------------
------");

        System.out.println("Enter an amount to withdraw: ");
        System.out.println("---------------------------------
------");

        int amount2=sc.nextInt();
        withdraw(amount2);
        store(-(amount2),i++,arr);
        System.out.println("\n");
        break;

    case 'D':
        System.out.println("---------------------------------
------");

        ArrayList <String>a=new ArrayList<String>();
        a.add(CustomerName);
        a.add(customerId);
        System.out.println(a);
        getprevious();
        System.out.println("---------------------------------
------");

        System.out.println("\n");
        break;

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

        break;

    default:
```

```java
                        System.out.println("Invalid option! please try
again");
                        break;
                }
            }
            while(option!='E');
            sc.close();

        }
    }
```