```
import java.util.Scanner;

public class BankApplication {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        BankAccount bank = new BankAccount("geetha", "90");
        bank.showMenu();
        sc.close();
    }
}

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 += amount;
            previousTransaction = amount;
```

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    }
}

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

void getPreviousTransaction() {
    if (previousTransaction > 0) {
        System.out.println("Deposited: " + previousTransaction);
    } else if (previousTransaction < 0) {
        System.out.println("Withdrawn: " + Math.abs(previousTransaction));
    } else {
        System.out.println("No transactions occurred");
    }
}

void showMenu() {
    char option = '\0';
    Scanner sc = new Scanner(System.in);
    System.out.println("Welcome " + customerName);
    System.out.println("Your ID is " + customerId);
    System.out.println();
```

```
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();

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

      case 'B':
         System.out.println("====================================");
         System.out.println("Enter an amount to deposit:");
         System.out.println("====================================");
         int amountDeposit = sc.nextInt();
```

```
            deposit(amountDeposit);
            System.out.println();
            break;

        case 'C':
            System.out.println("====================================");
            System.out.println("Enter an amount to withdraw:");
            System.out.println("====================================");
            int amountWithdraw = sc.nextInt();
            withdraw(amountWithdraw);
            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! Please try again.");
```

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

        System.out.println("Thank you for using our services!");
        sc.close();
    }
}
```