Core Java Project On

Simple banking Application

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Project Name: Simple Banking Application

Aim:

Using this system user can create new customer account and maintain its data efficiently and effectively. All records of account and customer are stored in separate files. Which are maintained **constantly update by system**

Languages: Core Java and SQL

Software Requirement : Eclipse IDE ,JDK 1.8 ,Mysql

Synopsis:

This is Mini Banking Application in java, to handle a transaction, we are using JDBC Transaction to make transactions consistent.

This Application Provides Menu-Driven Console Interface to a User Using that User can perform functions like –

- create Account
- Login
- View Balance
- Deposit
- Withdraw
- Check Previous Transaction History

Module Description:

- 1.User fill the Registration form.
- 2. User Login.
- 3.Admin Login.

1.User fill the Registration form.

Firstly user Fill the registration Form and get UserId which is unique.

For registration form user enter some basic information like name,address,mob no,etc.

2. User Login.

For this User login process two credentials are required: Username and Password. After Successfully login, user want performed the following operations:

- Deposite Amount.
- Withdraw Amount.
- Check Total balance.
- Check Transaction History.

3.Admin Login:

For this admin login process two credentials are required: adminname and password. After Successfully login, Admin want performed the following operations:

- Create Account
- Delete Account

In Create Account Admin create user bank account using A/C no.

Admin have authority to delete user bank account.

Initial Setup: (In Java)

Maven Project Name: Bank_Application_CoreProject

Package Name: com.edu

Class Name:

- 1. MainApplicationOfBank.java
- 2. UserLogin.java
- 3. DatabaseConnection.java
- 4. BankApplicationOperation.java
- 5. TransactionOperations.java
- 6. ReportOfBankApplication.java

(In database)

Create a database in mqsql command line client

mysql> create database bankdb;

Query OK, 1 row affected (0.01 sec)

Tables Creation:

Database Tables Structure:

mysql> desc Accountholder;							
Field	Туре	Null		Default	Extra		
userId FName LName City mobNo Occupation DoB password	int varchar(50) varchar(50) varchar(70) varchar(50) varchar(50) date varchar(50)	NO NO NO NO NO NO YES NO	PRI UNI	NULL NULL NULL NULL NULL NULL NULL			
++++++++ 8 rows in set (0.06 sec)							

```
mysql> desc transdetails;
                                Null | Key | Default |
 Field
                 Type
                                        PRI
                                                         auto_increment
 Trsno
                 int
                                NO
                                              NULL
 AccountNo
                 varchar(50)
                                YES
                                        MUL
                                              NULL
 TransDate
                 date
                                NO
                                              NULL
 mediumOfTrans
                 varchar(50)
                                YES
                                              NULL
                  varchar(50)
                                YES
 TransType
                                              NULL
 Trans_Amount
                                              NULL
 rows in set (0.01 sec)
```

Database Connection Class

DatabaseConnection.java

```
package com.edu;
import java.sql.*;

public class DatabaseConnection {
    public static Connection con;
    public static Connection getconnection() throws Exception {
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/bankdb","root","
        if(con==null) {
            System.out.println("Error in getting connection");
        }
        return con;
    }
}
```

Bank Application Core project Start execution through main() method.

```
MainApplicationOfBank.java
package com.edu;
import java.util.Scanner;
public class MainApplicationOfBank {
```

```
public static void main(String[] args) throws Exception {
             int ch, Uch, Ach;
             Scanner sc=new Scanner(System.in);
             System.out.println("**** Welcome in Simple Bank Application Core Project
*****");
             while(true) {
                    System.out.println("1.User Login");
                    System.out.println("2.User Create Registration form");
                    System.out.println("3.Admin Login");
                    System.out.println("4.Exit");
               System.out.println("Enter your choice:");
                    ch=sc.nextInt();
                    switch(ch){
                    case 1:UserLogin.loginMethod();
               break;
                    case 2:UserLogin.registrationForm();
               break;
                    case 3:UserLogin.adminLogin();
                             break;
                    case 4:System.out.println("System will be terminate!!!!");
                        System.exit(0);
          break;
           System.out.println("Do you want to continue n to stop any other key to
continue");
           char choice=sc.next().charAt(0);
                      if(ch=='n') {
                             break;
```

Output-

```
Console X Problems Debug Shell

MainApplicationOfBank [Java Application] C:\Program Files\Java\jdk-18.0.1.1\bin\javaw.exe (01-Apr-2023, 8:19:04 pm)

***** Welcome in Simple Bank Application Core Project *****

1.User Login

2.User Create Registration form

3.Admin Login

4.Exit

Enter your choice:

2

Enter UserId to be Registration form :
```

Firstly User fill registration form and get userId So Enter 2 choice: User create Registration form

In UserLogin.java class registrationForm() method

```
package com.edu;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.util.*;
public class UserLogin {
      static Scanner sc=new Scanner(System.in);
      static Connection con;
  static PreparedStatement psd;
  static ResultSet rs;
      static String s;
      public static void loginMethod() throws Exception {
              con=DatabaseConnection.getconnection();
              System.out.println("Enter UserName:");
         String username=sc.next();
         System.out.println("Enter Password:");
         String pass=sc.next();
         s="select * from Userlogin where Uname=? and Upass=?";
         psd=con.prepareStatement(s);
             psd.setString(1, username);
             psd.setString(2, pass);
         rs=psd.executeQuery();
```

```
if(rs.next()) {
             System.out.println("Login successfully !!!!!");
             System.out.println("========");
             while(true) {
             System.out.println("**** Welcome in User Module *****");
             System.out.println("1.Deposite Amount");
                   System.out.println("2.Withdraw Amount");
                   System.out.println("3.Reports");
                   System.out.println("4.Quit and go to back");
                   System.out.println("What operation you want to do? so please enter
choice:");
                   int Uch=sc.nextInt();
                   switch(Uch) {
           case 1:TransactionOperations.depositeAmount();
               break;
           case 2: TransactionOperations.withdrawAmount();
                break;
           case 3: ReportOfBankApplication.Reports();
                break;
           case 4:MainApplicationOfBank.main(null);
               break;
                   System.out.println("Do you want to perform other operatios 'n' to
stop any other key to continue:");
                char choice=sc.next().charAt(0);
                           if(Uch=='n') {
                                  break;
        }else {
             System.out.println("Invalid Username and password");
      public static void registrationForm() throws Exception {
             BankApplicationOperation.registrationForm();
```

```
public static void adminLogin() throws Exception {
             con=DatabaseConnection.getconnection();
             System.out.println("Enter AdminName:");
         String adminname=sc.next();
         System.out.println("Enter Password:");
         String pass=sc.next();
         s="select * from Adminlogin where Aname=? and Apass=?";
         psd=con.prepareStatement(s);
             psd.setString(1, adminname);
             psd.setString(2, pass);
        rs=psd.executeQuery();
        if(rs.next()) {
             System.out.println("**** Welcome in Admin Module *****");
                   System.out.println("1.Create Account");
                   System.out.println("2.Delete Account");
                   System.out.println("3.Quit and go to back");
                   System.out.println("What operation you want to do? so please enter
choice:");
                    int Ach=sc.nextInt();
                    switch(Ach){
                       case 1:BankApplicationOperation.createAccount();
                  break;
                       case 2: BankApplicationOperation.deleteAccount();
                  break;
                       case 3:MainApplicationOfBank.main(null);
              break;
        }else {
             System.out.println("Invalid Adminname and password..");
```

Go to BankApplicationOperation.java and registrationForm() method

```
//****Create User Registration method
            public static void registrationForm() throws Exception {
                    con=DatabaseConnection.getconnection();
                    int UserId;
                    String FirstName, LastName, City, MobNo, Occupation, DOB, pass;
                    Scanner sc=new Scanner(System.in);
                           System.out.println("Enter UserId to be Registration form:");
                           UserId=sc.nextInt();
                           s="select * from AccountHolder where userId=?";
                           psd=con.prepareStatement(s);
                           psd.setInt(1, UserId);
                      rs=psd.executeQuery();
                           if(!rs.next()) {
                                  System.out.println("Enter User First Name:");
                                  FirstName=sc.next();
                                  System.out.println("Enter Last Name:");
                                  LastName=sc.next();
                                  System.out.println("Enter City:");
                                  City=sc.next();
                                  System.out.println("Enter Mobile Number:");
                                  MobNo=sc.next();
                                  System.out.println("Enter Occupation:");
                                  Occupation=sc.next();
                                  System.out.println("Enter User date of birth (yyyy-mm-
dd):");
                                  DOB=sc.next();
                                  System.out.println("Enter Password:");
                                  pass=sc.next();
                       s="insert into AccountHolder values(?,?,?,?,?,?,?)";
                      psd=con.prepareStatement(s);
                      psd.setInt(1, UserId);
                      psd.setString(2, FirstName);
                      psd.setString(3, LastName);
                      psd.setString(4, City);
                      psd.setString(5, MobNo);
                      psd.setString(6, Occupation);
                      psd.setString(7, DOB);
                      psd.setString(8,pass);
```

```
int i=psd.executeUpdate();
                     if(i>0) {
                         System.out.println("Create Bank Account Successfully!!!!");
                         s= "insert into userlogin values(?,?,?)";
                         psd=con.prepareStatement(s);
                           psd.setString(1, FirstName);
                           psd.setString(2, pass);
                           psd.setInt(3,UserId);
                            psd.executeUpdate();
                         // System.out.println("insert into login table ");
                     }else {
                           System.out.println("Error occured !!");
                     }
                         }else {
                                    System.out.println("User is already exist in
AccountHolder table");
Output:
 Console X Problems Debug Shell
MainApplicationOfBank [Java Application] C:\Program Files\Java\jdk-18.0.1.1\bin\javaw.exe (01-Apr-2023, 8:19:04 pm)
 User Create Registration form
 3.Admin Login
4.Exit
 Enter your choice:
 Enter UserId to be Registration form :
Enter User First Name:
Monika
 Enter Last Name:
Patil
Enter City:
 Enter Mobile Number:
 8989006767
Enter Occupation:
Student
Enter User date of birth (yyyy-mm-dd):
 1999-11-08
Enter Password:
 monika123
Create Bank Account Successfully!!!!!
Do you want to continue n to stop any other key to continue
```

After Fill Registration form by user data stored in Accountholder table in database.

And userid stored in login table in userlogin:

```
mysql> select * from userlogin;

+-----+

| Uname | Upass | userId |

+-----+

| pranali | pranali123 | 1 |

| Monika | monika123 | 2 |

+----+

2 rows in set (0.01 sec)
```

And Admin login details stored in adminlogin table

```
mysql> select * from adminlogin;
+-----+
| Aname | Apass |
+----+
| Admin | admin11 |
+----+1 row in set (0.01 sec)
```

After Registration Admin Create bank account of user and Through A/c number to user

Can perform transaction operations.

```
//****Create Bank Account Method
public static void createAccount() throws Exception {
con=DatabaseConnection.getconnection();
int UserId,OpenBal;
String BankId, ACNo, Adate, Atype;
Scanner <a href="mailto:scanner">sc=new</a> Scanner (System.<a href="mailto:scanner">in</a>);
System.out.println("Enter User Id to be Create Bank Account:");
UserId=sc.nextInt();
System.out.println("Bank of Maharashtra:B101");
System.out.println("Enter Bank Id to be check Bank Name:");
BankId=sc.next();
s="select * from AccountHolder where userId=?";
s1="select * from BankBranch where bId=?";
psd=con.prepareStatement(s);
psd2=con.prepareStatement(s1);
psd.setInt(1, UserId);
psd2.setString(1, BankId);
rs=psd.executeQuery();
rs2=psd2.executeQuery();
if(rs.next()) {
if(rs2.next()) {
System.out.println("Enter Account Number in form XX201:");
ACNo=sc.next();
PreparedStatement psd1;
s="select * from Account where AccountNo=?";
psd1=con.prepareStatement(s);
psd1.setString(1, ACNo);
ResultSet rs1=psd1.executeQuery();
if(!rs1.next()) {
System.out.println("Enter opening Balance Amount:");
OpenBal=sc.nextInt();
System.out.println("Enter Date:(yyyy-mm-dd)");
Adate=sc.next();
System.out.println("Enter Account type:(saving or current)");
Atype=sc.next();
s="insert into Account values(?,?,?,?,?)";
psd=con.prepareStatement(s);
psd.setString(1,ACNo);
psd.setInt(2,UserId);
psd.setString(3,BankId);
psd.setInt(4,OpenBal);
psd.setString(5,Adate);
```

```
psd.setString(6,Atype);
if(OpenBal>500) {
int i=psd.executeUpdate();
if(i>0) {
System.out.println("Create Account Successfully!!!!");
}else {
System.out.println("Error Occured!!");
} else {
System.out.println("opening balance should be a greater 500");
}else {
System.out.println("Already Account is Created!!");
}else {
System.out.println("Please, fill the registration form");
Output-
MainApplicationOfBank [Java Application] C:\Program Files\Java\jdk-18.0.1.1\bin\javaw.exe (01-Apr-2023, 11:33:15 pm)
Enter your choice:
Enter AdminName:
 admin
Enter Password:
 admin11
 **** Welcome in Admin Module *****
1.Create Account
 2.Delete Account
 Quit and go to back
What operation you want to do? so please enter choice :
 Enter User Id to be Create Bank Account:
Bank of Maharashtra: B101
 Enter Bank Id to be check Bank Name:
 Enter Account Number in form XX201:
XX2021
Enter opening Balance Amount:
10000
Enter Date:(yyyy-mm-dd)
 2023-03-01
 Enter Account type: (saving or current)
 saving
Create Account Successfully!!!!
Do you want to continue n to stop any other key to continue
```

After Create account by user data stored in Account table in database.

After create account user can login and perform transaction operations like withdraw ,deposit ,check balance etc.

TransactionOperations.java

1. Deposite Amount:

```
package com.edu;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.util.Scanner;
public class TransactionOperations {
static Connection con;
static PreparedStatement psd,psd2;
static ResultSet rs,rs2;
static String s;
//****Deposit Amount method
public static void depositeAmount() throws Exception {
con=DatabaseConnection.getconnection();
String ACNo, Tno, Tdate, Tmedium, Ttype;
int Tamount:
Scanner sc=new Scanner(System.in);
System.out.println("Enter Account Number For transaction:");
ACNo=sc.next();
PreparedStatement psd;
```

```
s="Select * from Account where AccountNo=?";
psd=con.prepareStatement(s);
psd.setString(1, ACNo);
ResultSet rs=psd.executeQuery();
if(rs.next()) {
System.out.println("Enter Date:(yyyy-mm-dd)");
Tdate=sc.next();
System.out.println("Enter medium of transation (Cash/Check):");
Tmedium=sc.next();
System.out.println("Enter Type of transation (Deposit/Withdraw):");
Ttype=sc.next();
System.out.println("Enter Amount of trnasation:");
Tamount=sc.nextInt();
String ins="insert into TransDetails
(AccountNo,TransDate,mediumOfTrans,TransType,Trans_Amount)
values(?,?,?,?,?)";
psd=con.prepareStatement(ins);
psd.setString(1, ACNo);
psd.setString(2, Tdate);
psd.setString(3, Tmedium);
psd.setString(4, Ttype);
psd.setInt(5, Tamount);
if(Tamount>0) {
int i=psd.executeUpdate();
if(i>0) {
String type="Select TransType from TransDetails where AccountNo=?";
psd=con.prepareStatement(type);
psd.setString(1,ACNo);
ResultSet rs2=psd.executeQuery();
if(rs2.next()) {
String Transtype=rs2.getString("TransType");
      System.out.println("Transaction type="+Transtype);
//
if(Transtype.equals(Ttype)) {
String bal="Select Opening_Bal from Account where AccountNo=?";
psd=con.prepareStatement(bal);
psd.setString(1,ACNo);
ResultSet rs3=psd.executeQuery();
if(rs3.next()) {
int Balance=rs3.getInt("Opening_Bal");
Balance = Balance + Tamount;
System.out.println("Total balace="+Balance);
String upd="update Account set Opening_Bal=? where AccountNo=?";
psd=con.prepareStatement(upd);
psd.setInt(1,Balance);
```

```
psd.setString(2,ACNo);
     int i1=psd.executeUpdate();
     if(i>0) {
     System.out.println("Deposite Amount Successfull!!");
     System.out.println("Error occured!!!");
     }else {
     System.out.println("please Enter deposite amount in correct way.");
          //end deposite method
     Output -
Do you want to continue n to stop any other key to continue
1.User Login
2.User Create Registration form
3.Admin Login
4.Exit
Enter your choice:
Enter UserName:
monika
Enter Password:
monika123
Login successfully !!!!!
**** Welcome in User Module *****
1.Deposite Amount
2.Withdraw Amount
3.Reports
4.Quit and go to back
What operation you want to do? so please enter choice :
```

```
_____
**** Welcome in User Module *****
1.Deposite Amount
2.Withdraw Amount
3.Reports
4.Quit and go to back
What operation you want to do? so please enter choice :
Enter Account Number For transaction:
XX2021
Enter Date:(yyyy-mm-dd)
2023-03-02
Enter medium of transation (Cash/Check):
Enter Type of transation (Deposit/Withdraw):
Deposit
Enter Amount of trnasation :
500
Total balace=10500
Deposite Amount Successfull!!
Do you want to perform other operatios 'n' to stop any other key to continue:
```

After Deposite amount by user through login. data are stored in transdetiles table in database.

And also Update in main balance in account table.

TransactionOperations.java

2. Withdraw Amount:

```
//****Withdraw Amount method
public static void withdrawAmount() throws Exception {
con=DatabaseConnection.getconnection();
String ACNo, <u>Tno</u> = null, Tdate, Tmedium, Ttype;
int Tamount:
Scanner sc=new Scanner(System.in);
System.out.println("Enter Account Number For transaction:");
ACNo=sc.next();
PreparedStatement psd;
String s="Select * from Account where AccountNo=?";
psd=con.prepareStatement(s);
psd.setString(1, ACNo);
ResultSet rs=psd.executeQuery();
if(rs.next()) {
System.out.println("Enter Date:(yyyy-mm-dd)");
Tdate=sc.next();
```

```
System.out.println("Enter medium of transation (Cash/Check):");
Tmedium=sc.next();
System.out.println("Enter Type of transation (Deposit/Withdraw):");
Ttype=sc.next();
System.out.println("Enter Amount of trnasation:");
Tamount=sc.nextInt();
String ins="insert into TransDetails
(AccountNo,TransDate,mediumOfTrans,TransType,Trans_Amount) values(?,?,?,?)";
psd=con.prepareStatement(ins);
psd.setString(1, ACNo);
psd.setString(2, Tdate);
psd.setString(3, Tmedium);
psd.setString(4, Ttype);
psd.setInt(5, Tamount);
if(Tamount>0) {
int i=psd.executeUpdate();
if(i>0) {
String type="Select TransType from TransDetails where TransType=?";
psd=con.prepareStatement(type);
psd.setString(1,Ttype);
ResultSet rs2=psd.executeQuery();
if(rs2.next()) {
String Transtype=rs2.getString("TransType");
      System.out.println("Transaction type="+Transtype);
if(Transtype.equals(Ttype)) {
String bal="Select Opening_Bal from Account where AccountNo=?";
psd=con.prepareStatement(bal);
psd.setString(1,ACNo);
ResultSet rs3=psd.executeQuery();
if(rs3.next()) {
int Balance=rs3.getInt("Opening_Bal");
if(Balance>Tamount) {
Balance = Balance - Tamount;
System.out.println("Total balace="+Balance);
String upd="update Account set Opening_Bal=? where AccountNo=?";
psd=con.prepareStatement(upd);
psd.setInt(1,Balance);
psd.setString(2,ACNo);
int i1=psd.executeUpdate();
if(i>0) {
System.out.println("Withdraw Amount Successfull!!");
}else {
```

```
System.out.println("Insufficient balance");
String del="delete from TransDetails where TransDate=?";
psd=con.prepareStatement(del);
psd.setString(1,Tdate);
int i2=psd.executeUpdate();
}
}
}
}
}else {
System.out.println("please Enter withdraw amount in correct way.");
}
} //end withdraw method
```

Output -

```
Do you want to perform other operatios 'n' to stop any other key to continue:
**** Welcome in User Module *****
1.Deposite Amount
2.Withdraw Amount
3.Reports
4.Quit and go to back
What operation you want to do? so please enter choice :
Enter Account Number For transaction:
XX2021
Enter Date:(yyyy-mm-dd)
2023-03-05
Enter medium of transation (Cash/Check):
Enter Type of transation (Deposit/Withdraw):
Withdraw
Enter Amount of trnasation :
200
Total balace=10300
Withdraw Amount Successfull!!
Do you want to perform other operatios 'n' to stop any other key to continue:
```

After Withdraw amount by user through login . data are stored in transdetiles table in database.

mysql> select * from transdetails;							
Trsno	AccountNo	TransDate	mediumOfTrans				
15 16 17	XX2020 XX2020 XX2021	2023-03-12 2023-03-15 2023-03-02	cash	Deposit Withdraw Deposit	200 100 500		
18	XX2021	2023-03-05	Cash	Withdraw	200		
4 rows in set (0.00 sec)							

And also Update in main balance in account table.

ReportOfBankApplication.java

In ReportOfBankApplication.java User can check the reports . in which we can show the total A/C balance through A/C no . You can choice 3 ," Reports" and perform the operations

In reports ,you can have two choice: 1.Check balance 2.Check transaction History

```
package com.edu;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.*;
import java.util.Scanner;
public class ReportOfBankApplication {
static Connection con;
public static void Reports() throws Exception {
int ch;
String ACNo;
con =DatabaseConnection.getconnection();
PreparedStatement psd;
String s;
Scanner sc=new Scanner(System.in);
System.out.println("***** Reports Bank Application Core Project ******");
while(true) {
System.out.println("1.Check balance");
System.out.println("2.Check Transaction History");
System.out.println("3.Exit and go to main module");
System.out.println("please enter choice for showing report :");
ch=sc.nextInt();
switch(ch) {
case 1:
System.out.println("Enter Account Number :");
ACNo=sc.next();
s="select ah.FName,ah.LName,a.accountNo,a.opening_Bal from AccountHolder ah inner
join Account a where ah.userId=a.userId and AccountNo=?";
// s="Select * from Account where AccountNo=?";
psd=con.prepareStatement(s);
```

```
psd.setString(1, ACNo);
ResultSet rs=psd.executeQuery();
System.out.println("FName\tLName\tA/CNo\tBalance");
System.out.println("=======");
if(rs.next()) {
System.out.println(rs.getString("FName")+"\t"+rs.getString("LName")+"\t"+rs.getString("
AccountNo")+"\t"+rs.getInt("Opening_Bal")+"\t");
break;
case 2:
System.out.println("Please Enter Account Number:");
ACNo=sc.next().toLowerCase();
s="select AccountNo,Trsno,TransDate,TransType,Trans_Amount from transdetails where
AccountNo=?";
psd=con.prepareStatement(s);
psd.setString(1, ACNo);
ResultSet rs1=psd.executeQuery();
System.out.println("A/CNo\tTrsId\tDate\tType\tAmount");
System.out.println("=======");
while(rs1.next()) {
System. \textit{out}. println(rs1.getString("AccountNo") + "\ t" + rs1.getInt("Trsno") + "\ t" + rs1.getString("AccountNo") + "\ t" + rs1.getInt("Trsno") + "\ t" + rs1.getString("AccountNo") + "\ t" + rs1.getInt("Trsno") + "\ t" + rs1.getString("AccountNo") + "\ t" + rs1.getInt("Trsno") + "\ t" + rs1.getString("AccountNo") + "\ t" + rs1.getInt("Trsno") + "\ t" + rs1.g
g("TransDate")+"\t"+rs1.getString("TransType")+"\t"+rs1.getInt("Trans_Amount")+"\t");
break;
case 3:
System.out.println("Close report");
MainApplicationOfBank.main(null);
} //end switch case
System.out.println();
}//end while loop
```

Output:

```
Do you want to perform other operatios 'n' to stop any other key to continue:
t **** Welcome in User Module *****
 1.Deposite Amount
 2.Withdraw Amount
 3.Reports
 4.Quit and go to back
 What operation you want to do? so please enter choice :
 ***** Reports Bank Application Core Project *****
 1.Check balance
 2.Check Transaction History
 3.Exit and go to main module
 please enter choice for showing report :
 Enter Account Number :
 FName
        LName A/CNo
                        Balance
 _____
 Monika Patil XX2021 10300
 1.Check balance
 2.Check Transaction History
 3.Exit and go to main module
 please enter choice for showing report :
```

And check Transaction History Output:

```
1.Check balance
2.Check Transaction History
3.Exit and go to main module
please enter choice for showing report:
2
Please Enter Account Number:
```

A/CNo	TrsId	Date	Type	Amount	
======	======	======	======		
XX2021	17	2023-03	-02	Deposit 500	
XX2021	12	2023-03	-05	Withdraw	200
XX2021	10	2023 03	05	WICHGI GW	200

- 1.Check balance
- 2.Check Transaction History
- 3.Exit and go to main module

please enter choice for showing report :

Admin have Authority to detele user account clear the data from database.

```
MainApplicationOfBank [Java Application] C:\Program Files\Java\jdk-18.0.1.1\bin\javaw.exe (01-Apr-2023, 11:33:15 pm)
***** Welcome in Simple Bank Application Core Project ******
1.User Login
2.User Create Registration form
3.Admin Login
4.Exit
Enter your choice:
Enter AdminName:
admin
Enter Password:
admin11
**** Welcome in Admin Module *****
1.Create Account
2.Delete Account
3.Quit and go to back
What operation you want to do? so please enter choice :
Enter Account No to deleted:
XX2021
delete transId successfully!!!!
delete account successfully!!!!
Enter UserId to be Registration form :
delete login creadantion successfully!!!!
delete userId successfully!!!!
Do you want to continue n to stop any other key to continue
```

In database, clear all data of that particular user.

```
mysql> select * from Accountholder;

| userId | FName | LName | City | mobNo | Occupation | DoB | password |

| 1 | pranali | more | pune | 8989007676 | student | 1999-07-07 | pranali123 |

1 row in set (0.00 sec)

mysql> select * from Account;

| AccountNo | userId | bId | Opening_Bal | AccountDate | AccountType |

| XX2020 | 1 | B101 | 1100 | 2023-03-11 | saving |

1 row in set (0.00 sec)

mysql> select * from userlogin;

| Uname | Upass | userId |

| pranali | pranali123 | 1 |
```

Conclusion:

- Using the java code and database computerized Simple bank Appliction is performed.
- Every information's are stored in the database with help of this admin and User can perform all the operations.
- Finally with secured manner the order is successfully done without any interruptions.

