**ICIN Bank Project Source code:**

At first, we created 6 java files to develop this Java Banking Account Project.

Such as:

1. bankingapp.java

2. login.java

3. menu.java

4. banking\_account.java

5. deposit.java

6. invalid\_transaction.java

**Source code for bankingapp.java:**

/\* bankingapp.java \*/

public class bankingapp {

public static void main(String[] args) throws Exception {

System.out.println("Welcome to ABC Bank !");

banking\_account b = new banking\_account();

b.initiate();

}

}

### Source code for login.java:

/\* login.java \*/

import java.io.\*;

import java.util.Scanner;

class login{

int ac\_number = 1249498014;

int ac\_pass = 41089494;

int ac, pw;

public void acceptInput(){

Scanner scanner = new Scanner(System.in);

System.out.print("Enter ABC Bank Account Number: ");

ac = scanner.nextInt();

System.out.print("Enter Password: ");

pw = scanner.nextInt();

}

public void verify() throws Exception{

if(ac == ac\_number && pw == ac\_pass)

{

System.out.println("Your ABC Bank Account Login Successfully !");

banking\_account b = new banking\_account();

System.out.println(" ");

System.out.println("Your Account Balance is: "+b.getBalance()+" Rupees");

System.out.println(" ");

menu m1 = new menu();

m1.showMenu();

}else{

invalid\_transaction loginfailed = new invalid\_transaction("Incorrect Login Credentials !");

System.out.println(loginfailed.getMessage());

throw loginfailed;

}

}

}

### Source code for menu.java:

/\* menu.java \*/

import java.util.Scanner;

class menu{

int selectedOption;

banking\_account b = new banking\_account();

public void showMenu()

{

System.out.println("Please Select an option below:");

System.out.println("Press 1 to Deposit Amount.");

System.out.println("Press 2 to Withdraw Amount.");

System.out.println("Press 3 to View Balance");

System.out.println("Press any key to Exit");

System.out.println(" ");

Scanner scanner = new Scanner(System.in);

System.out.print("Press any key: ");

selectedOption = scanner.nextInt();

switch (selectedOption) {

case 1:

deposit d = new deposit();

int depamt = d.userInput();

b.add(depamt);

showMenu();

break;

case 2:

System.out.print("Please Enter the amount to withdraw: ");

int withamt=scanner.nextInt();

b.withdraw(withamt);

showMenu();

break;

case 3:

System.out.println("Your Account Balance is "+b.getBalance()+" Rupees");

System.out.println(" ");

showMenu();

break;

default:

System.out.println("Transaction Ended, Your ABC Bank Account Logout Successfully !");

System.exit(0);

break;

}

}

}

### Source code for banking\_account.java:

/\* banking\_account.java \*/

import java.util.Scanner;

class banking\_account{

int amount = 5000;

public void initiate()

{

login l1 = new login();

try{

l1.acceptInput();

l1.verify();

}catch(Exception e)

{

try{

l1.acceptInput();

l1.verify();

}catch(Exception f)

{

}

}

}

public int getBalance(){

return amount;

}

public void add(int amt){

amount = amount + amt;

System.out.println("Amount deposited Successfully");

System.out.println(" ");

System.out.println("Total Balance: " +amount);

System.out.println(" ");

}

public void withdraw(int amt){

System.out.println(" ");

if(amount < amt)

{

invalid\_transaction invalidWithDraw = new invalid\_transaction("InValid Withdrawal Amount");

System.out.println(invalidWithDraw.getMessage());

}else{

amount = (amount - amt);

System.out.println("Please Collect your " + amt +" Rupees");

System.out.println(" ");

System.out.println("Available Balance: " +amount);

System.out.println(" ");

}

}

}

### Source code for deposit.java:

/\* deposit.java \*/

import java.util.Scanner;

class deposit{

int amt= 0;

public int userInput()

{

Scanner scanner = new Scanner(System.in);

System.out.print("Enter the amount to be deposited: ");

amt = scanner.nextInt();

if(amt<=0)

{

invalid\_transaction depositnegativeError = new invalid\_transaction("Invalid Deposit Amount");

System.out.println(depositnegativeError.getMessage());

userInput();

}else{

return amt;

}

return amt;

}

}

### Source code for invalid\_transaction.java:

/\* invalid\_transaction.java \*/

class invalid\_transaction extends Exception

{

String errorMessage;

public invalid\_transaction(String message)

{

errorMessage = message;

}

public String getMessage()

{

return errorMessage;

}

}

**Note:** To log in, you have to enter the account number = **1249498014** and password = **41089494**