Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

package javaAssignments;

import java.util.\*;

public class Banktransactions {

public static void main(String[] args) {

Scanner input=new Scanner(System.in);

double balance = 0, depositAmount, withdrawAmount;

while(true) {

System.out.println("Menu\n1)Deposit cash\n2)Withdraw cash\n3)Balance enquiry\n4)Exit.");

System.out.println("Enter your choice(1,2,3,4):");

int ch=input.nextInt();

if(ch==1) {

System.out.println("Enter Deposit amount:");

depositAmount =input.nextInt();

balance += depositAmount;

System.out.println("Deposited successfully.");

}

else if(ch==2) {

System.out.println("Enter Withdraw amount:");

withdrawAmount=input.nextInt();

try {

if(withdrawAmount>balance) {

throw new InsufficientBalanceException();

}

if(withdrawAmount<0) {

throw new IllegalBankTransactionException();

}

balance-=withdrawAmount;

System.out.println("Withdraw Successfull. Withdrawn amount="+withdrawAmount);

}

catch(InsufficientBalanceException ex1) {

ex1.displayIBE("Insufficient balance in your account.");

}

catch(IllegalBankTransactionException ex2) {

ex2.displayIBT("Illegal bank transaction.Enter positive value.");

}

}

else if(ch==3) {

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

}

else {

System.out.println("Thank You.");

break;

}

System.out.println("Do you want to continue?(Y/N):");

char c=input.next().charAt(0);

if(c=='n' || c=='N') {

break;

}

}

}

}

package javaAssignments;

public class IllegalBankTransactionException extends Exception {

public void displayIBT(String s) {

System.out.println(s);

}

}

package javaAssignments;

public class InsufficientBalanceException extends Exception {

public void displayIBE(String s) {

System.out.print(s);

}

}