**package** com.collabera.atm;

**import** java.util.InputMismatchException;

**import** java.util.Scanner;

**public** **class** Account{

**double** balance;

**int** custId;

String custName;

**private** Scanner scanner;

Account(String cName,**int** cId ,**double** cbalance)**throws** InputMismatchException{

custId=cId;

balance=cbalance;

custName=cName;

}

**void** deposit(**int** amount) **throws** InputMismatchException

{

**if**(amount>0)

{

balance=balance+amount;

System.***out***.println("$"+amount+" is deposited successfully");

System.***out***.println("current balance:"+balance);

}

**else** {

System.***out***.println("invalid Input");

}

}

**void** withdraw(**double** amount)

{

**if**(amount>balance)

{

System.***out***.println("Invalid Input");

}**else** {

balance=balance-amount;

System.***out***.println("$"+amount+" is withdrawn successfully");

System.***out***.println("current balance:"+balance);

}

}

**void** showMenu() **throws** InputMismatchException {

**try** {

**int** option=0;

scanner = **new** Scanner(System.***in***);

System.***out***.println("Welcome "+custName);

System.***out***.println("ID: "+custId);

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

System.***out***.println("1. Check Balance");

System.***out***.println("2. Deposit");

System.***out***.println("3. Withdraw");

System.***out***.println("4. Exit");

**int** x=1;

**do** {

**if**(x==1) {

System.***out***.println("Enter an option:");

option = scanner.nextInt();

System.***out***.println("\n");}

**else** {

System.***out***.println("Enter an option to continue or 4 to exit: ");

option = scanner.nextInt();

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

}

x=2;

**switch**(option) {

**case** 1:

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

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

**break**;

**case** 2:

System.***out***.println("Enter an amount to deposit:");

**int** amount = scanner.nextInt();

deposit(amount);

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

**break**;

**case** 3:

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

**int** amount2 = scanner.nextInt();

withdraw(amount2);

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

**break**;

**case** 4:

System.***out***.println("--------------------");

**break**;

**default**:

System.***out***.println("Invalid option! Please try again");

**break**;

}

}**while**(option!=4);

System.***out***.println("Thankyou for using our service");

}**catch**(InputMismatchException e) {

System.***out***.println("invalid input");

}

}

}