**EXCEPTION ASSIGNMENT**

1. **import java.util.Scanner;**

**public class ArithematicException {**

**public static void main(String args[]) {**

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

**System.out.println("enter X value: ");**

**int x = sc.nextInt();**

**System.out.println("enter Y value: ");**

**int y = sc.nextInt();**

**int z;**

**try {**

**z = x / y;**

**System.out.println("Z value is:" + z);**

**} catch (ArithmeticException e) {**

**System.out.println("Avoid dividing by integer 0 " + e);**

**}**

**if (y == 0) {**

**System.out.println("EXCEPTION IS HANDLED");**

**}**

**}**

**}**

**2.EXCEPTION 3A**

**import java.util.Scanner;**

**class Withdraw**

**{**

**static void fun() throws IllegalAccessException**

**{**

**double balance = 0, depositAmount, withdrawAmount;**

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

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

**depositAmount =dep.nextInt();**

**balance += depositAmount;**

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

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

**withdrawAmount=wd.nextInt();**

**balance -= withdrawAmount;**

**if (balance<0&&withdrawAmount>balance)**

**{**

**throw new IllegalAccessException();**

**}**

**else**

**System.out.println("SUCCESSFULLY WITHDRAWN : "+withdrawAmount);**

**System.out.println("ACCOUNT BALANCE AFTER THE TRANSACTION : "+balance);**

**}**

**public static void main(String args[])**

**{**

**try {**

**fun();**

**}**

**catch(IllegalAccessException e) {**

**System.out.println(" WARNING :INSUFFICIENT BALANCE EXCEPTION ");**

**}**

**}**

**}**

**3.EXCEPTION ASSIGNMENT 3 B**

**import java.util.Scanner;**

**class Withdraw**

**{**

**static void fun() throws IllegalAccessException**

**{**

**double balance = 0, depositAmount, withdrawAmount;**

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

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

**depositAmount =dep.nextInt();**

**balance += depositAmount;**

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

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

**withdrawAmount=wd.nextInt();**

**balance -= withdrawAmount;**

**if (/\* use this if u don't deposit's in negative values -->depositAmount<0||\*/ withdrawAmount<-1)**

**{**

**throw new IllegalAccessException();**

**}**

**else**

**System.out.println("SUCCESSFULLY WITHDRAWN : "+withdrawAmount);**

**System.out.println("ACCOUNT BALANCE AFTER THE TRANSACTION : "+balance);**

**}**

**public static void main(String args[])**

**{**

**try {**

**fun();**

**}**

**catch(IllegalAccessException e) {**

**System.out.println(" WARNING :ILLEGAL BANK TRANSACTION EXCEPTION ");**

**}**

**}**

**}**