EXCEPTION HANDLING

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");

}

}

}

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System.out.println("SUCCESSFULLY WITHDRAWN : "+withdrawAmount);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System.out.println("SUCCESSFULLY WITHDRAWN : "+withdrawAmount);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

}

}

}