EXCEPTION PROGRAM

1.program

import java.util.Scanner;

class ExpOne

{

public static void main(String arg[])

{

try

{

int a,b,c;

Scanner KB=new Scanner(System.in);

System.out.print("Enter first number : ");

a=KB.nextInt();

System.out.print("Enter second number : ");

b=KB.nextInt();

c=a/b;

System.out.println("Result:"+c);

}

catch(ArithmeticException e)

{

System.out.println("Error:"+e.getMessage());

System.out.println("Error:"+e);

}

System.out.println("End of Program...");

}}

OUTPUT FOR 1 st :

C:\Users\GLMACHAD\Documents>java ExpOne

Enter first number : 60

Enter second number : 30

Result:2

End of Program...

C:\Users\GLMACHAD\Documents>java ExpOne

Enter first number : 8

Enter second number : 0

Error:/ by zero

Error:java.lang.ArithmeticException: / by zero

End of Program...

2.program

3a.program on bank balance

import java.util.Scanner;

class MinimumAccountBalance extends Exception {

String message;

public MinimumAccountBalance(String message) {

this.message = message;

}

public String toString() {

return message;

}

}

public class ExpThreea {

static double current\_balance = 100;

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

Scanner s = new Scanner(System.in);

System.out.println("Enter amount to withdrawal");

int n = s.nextInt();

try {

if (current\_balance < n) {

throw new MinimumAccountBalance("Insufficient Balance ! your Current balance is " + current\_balance);

} else {

System.out.println("Please Take The Money : " + n);

}

} catch (MinimumAccountBalance mab) {

mab.printStackTrace();

}

}

}

Output:

C:\Users\GLMACHAD\Documents>javac ExpThreea.java

C:\Users\GLMACHAD\Documents>java ExpThreea

Enter amount to withdrawal

5000

Insufficient Balance ! your Current balance is 100.0

at ExpTwo.main(ExpTwo.java:27)

C:\Users\GLMACHAD\Documents>java ExpThreea

Enter amount to withdrawal

50

Please Take The Money : 50

C:\Users\GLMACHAD\Documents>

3b.program

import java.util.Scanner;

public class IllegalBankTransactionException {

static void fun() throws IllegalAccessException

{

double balance = 1000, wamount;

Scanner wd=new Scanner(System.in);

System.out.print("Withdraw an amount:");

wamount=wd.nextInt();

balance -= wamount;

wd.close();

if (wamount<0)

{

throw new IllegalAccessException();

}

else if (balance<0)

{

System.out.println("Insufficient Balance");

}

else {

System.out.println("Your reamining balance is:"+balance);

}

}

public static void main(String args[])

{

try

{

fun();

}

catch(IllegalAccessException ex)

{

System.out.println("IllegalBankTransaction");

}

}

}