##############################################################################

class EDemo1

{

public static void main(String args[])

{

int a=100/0;

System.out.println(" A : "+a);

}

}

##############################################################################

class EDemo2

{

public static void main(String args[])

{

try

{

int a=100/0;

System.out.println(" A : "+a);

}

catch(ArithmeticException ee)

{

System.out.println(" Can't Divide by zero ");

}

}

}

##############################################################################

class EDemo3

{

public static void main(String args[])

{

try

{

System.out.println(" Connection Opened ");

int a=100/2;

System.out.println(" A : "+a);

System.out.println(" ============================================ ");

int b[]={10,20,30,40};

System.out.println(" B : "+b[2]);

System.out.println(" Connection Closed ");

}

catch(ArithmeticException ee)

{

System.out.println(" Can't Divide by zero");

}

catch(ArrayIndexOutOfBoundsException ee)

{

System.out.println(" Array Index Out Of Range");

}

}

}

##############################################################################

class EDemo4

{

public static void main(String args[])

{

try

{

System.out.println(" Connection Opened ");

int a=100/2;

System.out.println(" A : "+a);

System.out.println(" ============================================ ");

int b[]={10,20,30,40};

System.out.println(" B : "+b[1]);

}

catch(ArithmeticException ee)

{

System.out.println(" Can't Divide by zero");

}

catch(ArrayIndexOutOfBoundsException ee)

{

System.out.println(" Array Index Out Of Range");

}

finally

{

System.out.println(" Connection Closed ");

System.out.println("Finally Block");

}

}

}

##############################################################################

class EDemo04{

public static void main(String args[]){

try{

System.out.println(" Connection Opened \n\n");

int a=100/2;

System.out.println(" A : "+a);

System.out.println(" ============================================ ");

int b[]={10,20,30,40};

System.out.println(" B : "+b[11]);

System.out.println(" \n\n Connection Closed ");

}

catch(Exception ex){

if(ex instanceof ArithmeticException){

System.out.println(" Can't Divide by zero");

}

if(ex instanceof ArrayIndexOutOfBoundsException){

System.out.println(" Array Index Out Of Range");

}

}

}

}

##############################################################################

class AgeException extends Exception //user defined Exception

{

String getException()

{

return "Age Should not > 25";

}

}

class Registration

{

void validation(int x)throws AgeException

{

if(x>25)

{

throw new AgeException();

}

else

{

System.out.println(" Validation Success!");

}

}

}

class EDemo5

{

public static void main(String args[])

{

Registration s1=new Registration();

//s1.validation(21);

try

{

s1.validation(14);

}

catch(AgeException ee)

{

String msg=ee.getException();

System.out.println("------------------> "+msg);

}

}

}

package exceptionhandling;

import java.util.Scanner;

class AgeException extends Exception

{

String getException()

{

return "Age Should not > 25";

}

}

class Registration

{

void validation(int x) throws AgeException

{

if(x>25)

{

throw new AgeException();

}

else

{

System.out.println(" Validation Success!");

}

}

}

##############################################################################

class EDemo6

{

public static void main(String args[])

{

Registration s1 = new Registration();

//s1.validation(10);

try

{

Scanner s=new Scanner(System.in);

System.out.print(" Enter the Value ");

int x = s.nextInt();

s1.validation(x);

}

catch(Exception ee)

{

if(ee instanceof AgeException){

AgeException age=(AgeException)ee;

String msg=age.getException();

System.out.println("------------------> "+msg);

}

}

}

}

##############################################################################

import java.io.\*;

class Sample

{

Sample(int x)throws FileNotFoundException

{

if(x<20)

{

throw new FileNotFoundException();

}

else

{

System.out.println(" Validation Success!");

}

}

}

class EDemo6

{

public static void main(String args[])

{

//new Sample(31);

try

{

new Sample(22);

}

catch(FileNotFoundException ee)

{

System.out.println("Value should not < 20");

}

}

}

##############################################################################

import java.io.\*;

class EDemo7

{

public static void main(String args[])

{

FileReader fr=new FileReader("EDemo19.java");

}

}

##############################################################################

import java.io.\*;

class EDemo8

{

public static void main(String args[])

{

try

{

FileReader fr=new FileReader("EDemo19.java");

System.out.println("Success!");

}

catch(FileNotFoundException ee)

{

System.out.println("File is not available");

}

}

}

##############################################################################

class Sample1

{

void test(int x)throws ArithmeticException

{

if(x<20)

{

ArithmeticException ob=new ArithmeticException();

throw ob;

}

else

{

System.out.println(" Validation Success!");

}

}

}

class EDemo9

{

public static void main(String args[])

{

Sample1 s1=new Sample1();

s1.test(10);

}

}

##############################################################################

class Sample2

{

void test(int x)throws ArithmeticException

{

if(x<20)

{

ArithmeticException ob=new ArithmeticException();

throw ob;

}

else

{

System.out.println(" Validation Success!");

}

}

}

class EDemo10

{

public static void main(String args[])

{

try

{

Sample2 s1=new Sample2();

s1.test(10);

}

catch(ArithmeticException ee)

{

System.out.println("Value should not < 20");

}

}

}

##############################################################################

import java.util.Scanner;

class AssertionExample

{

public static void main( String args[] )

{

Scanner input= new Scanner(System.in);

System.out.print("Enter ur age ");

int value = input.nextInt();

assert value>=18:" Not valid";

System.out.println("value is "+value);

}

}

// javac AssertionExample.java

// java -ea AssertionExample

=================================================================================

JavaBean

-------------

package datas;

public class StudentDetails {

private int rno;

private String name;

private String city;

public int getRno() {

return rno;

}

public void setRno(int rno) {

this.rno = rno;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getCity() {

return city;

}

public void setCity(String city) {

this.city = city;

}

}