eXCEPTION

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import java.lang.\*;

import java.util.Scanner;

class Father{

int ageFather;

Father(){}

Father(int ageFather) throws IllegalArgumentException{

if(ageFather<=0){

throw new IllegalArgumentException("Age should be greater than zero!");

}

this.ageFather = ageFather;

}

}

class Son extends Father{

int ageSon;

Son(){}

Son(int ageFather, int ageSon) throws IllegalArgumentException{

super(ageFather);

if(ageFather <= ageSon){

throw new IllegalArgumentException("Age of son can't be greater than Father's age!!!");

}

this.ageSon = ageSon;

}

}

class ExceptionInheritTree{

public static void main(String args[]){

Scanner sc = new Scanner(System.in);

int ageFather, ageSon;

System.out.println("enter age of father and son");

ageFather = sc.nextInt();

ageSon = sc.nextInt();

try{

Son son = new Son(ageFather, ageSon);

System.out.println("Father's age: " + son.ageFather + "\n" + "Sons's age: " + son.ageSon);

}

catch(IllegalArgumentException iae){

System.out.println(iae);

System.out.println("Exception caught in main!#!");

}

}

}

