

thread2.java gener.java exceptions.java X

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```
1  import java.util.Scanner;
2
3  class WrongAge extends Exception {
4  int age;
5
6  WrongAge(int x) {
7  age = x;
8  }
9
10 public String toString() {
11 return "Age entered is incorrect";
12 }
13 }
14
15 class father {
16 int a;
17 father(int x) {
18 a = x;
19 }
20 }
21
22 class son extends father {
23 int age;
24 son(int fage, int sage) {
25 super(fage);
26 age = sage;
27 }
28
29 void check() throws WrongAge {
30 if (age >= a || age < 0 || a < 0) {
31 throw new WrongAge(age);
32 }
33 else {
34 System.out.println("Correct ages entered");
35 System.out.println("Father's age:" + a + "\n" + "Son's age:" + age);
36 }
37 }
38 }
```


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```
26     age = sage;
27 }
28
29 void check() throws WrongAge {
30     if (age >= a || age<0 || a<0) {
31         throw new WrongAge(age);
32     }
33     else {
34         System.out.println("Correct ages entered");
35         System.out.println("Father's age:" + a + "\n" + "Son's age:" + age);
36     }
37 }
38 }
39
40 class ExceptionsMain {
41     public static void main(String args[]) {
42         Scanner sc = new Scanner(System.in);
43         System.out.println("Enter father's age:");
44         int f = sc.nextInt();
45         System.out.println("Enter son's age:");
46         int s = sc.nextInt();
47         son ss = new son(f, s);
48         try {
49             ss.check();
50         }
51         catch (WrongAge e) {
52             System.out.println(" "+e);
53         }
54     }
55 }
```