

```

1  class WrongAge extends Exception{
2      public String toString() { return "Son's age cannot be equal to father's age.\n"; }
3  }
4
5
6
7
8  class Father{
9      int fatherAge;
10     Father(int fatherAge) { this.fatherAge=fatherAge; }
11 }
12
13
14
15
16 class Son extends Father{
17     int sonAge;
18     Son(int fatherAge,int sonAge) {
19         super(fatherAge);
20         this.sonAge=sonAge;
21     }
22     void checkAge() throws WrongAge{
23         if (fatherAge==sonAge)
24         {
25             throw new WrongAge();
26         }
27     }
28 }
29
30 public class Lab8 {
31     public static void main(String[] args)
32     {
33         Son s1=new Son( fatherAge: 40, sonAge: 10);

```

```

30 ▶ public class Lab8 {
31 ▶     public static void main(String[] args)
32     {
33         Son s1=new Son( fatherAge: 40, sonAge: 10);
34         Son s2=new Son( fatherAge: 30, sonAge: 30);
35         try{
36             s1.checkAge();
37             System.out.println("Acceptable ages");
38         }
39         catch(WrongAge w){
40             System.out.println("Caught exception:"+w);
41         }
42         try{
43             s2.checkAge();
44             System.out.println("Acceptable ages");
45         }
46         catch(WrongAge w){
47             System.out.println("Caught exception:"+w);
48         }
49     }
50 }
51 |

```


Lab8 (1) ×

"C:\Program Files\Java\jdk1.8.0_261\bin\java.exe" ...

Acceptable ages

Caught exception:Son's age cannot be equal to father's age.

Process finished with exit code 0