

```
1 import java.util.Scanner;
2 class WrongAge extends Exception
3 {
4     public WrongAge(String s)
5     {
6         // Call constructor of parent Exception
7         super(s);
8     }
9 }
10
11 class Father{
12     int fatherAge;
13
14     Father() {
15         Scanner inp = new Scanner(System.in);
16         System.out.print("Enter father's age : ");
17         fatherAge = inp.nextInt();
18     }
19 }
20
21 class Son extends Father{
22     int sonAge;
23
24     Son(){
25         super();
26         Scanner inp = new Scanner(System.in);
27         try {
28             if(fatherAge<=0) {
29                 throw new WrongAge("Age cannot be less than or equal to zero!!!");
30             }
31             else {
32                 System.out.print("Enter age of son : ");
33                 sonAge = inp.nextInt();
34                 try {
```

```
ageException.java x generic.java x
27 try {
28     if(fatherAge<=0) {
29         throw new WrongAge("Age cannot be less than or equal to zero!!!");
30     }
31     else {
32         System.out.print("Enter age of son : ");
33         sonAge = inp.nextInt();
34         try {
35             if(sonAge>=fatherAge) {
36                 throw new WrongAge("Age of son cannot be greater than or equal to age of father!!!");
37             }
38             else {
39                 System.out.println("Entered ages are correct!");
40             }
41         }
42         catch(WrongAge e) {
43             System.out.println(e);
44         }
45     }
46 }
47 catch(WrongAge e) {
48     System.out.println(e);
49 }
50
51
52 }
53 }
54
55 class ageException {
56     public static void main(String[] args) {
57         Son s = new Son();
58     }
59 }
60
```

```
dhruvdubey@Dhruvs-MacBook-Air JavaLab % java ageException
```

```
Enter father's age : 28
```

```
Enter age of son : 5
```

```
Entered ages are correct!
```

```
dhruvdubey@Dhruvs-MacBook-Air JavaLab % java ageException
```

```
Enter father's age : -3
```

```
WrongAge: Age cannot be less than or equal to zero!!!
```

```
dhruvdubey@Dhruvs-MacBook-Air JavaLab %
```

```
dhruvdubey@Dhruvs-MacBook-Air JavaLab % java ageException
```

```
Enter father's age : 12
```

```
Enter age of son : 13
```

```
WrongAge: Age of son cannot be greater than or equal to age of father!!!
```

```
dhruvdubey@Dhruvs-MacBook-Air JavaLab % java ageException
```

```
Enter father's age : 11
```

```
Enter age of son : 11
```

```
WrongAge: Age of son cannot be greater than or equal to age of father!!!
```

```
dhruvdubey@Dhruvs-MacBook-Air JavaLab % █
```