

```
1 import java.util.Scanner;
2
3 class WrongAge extends Exception {
4     public WrongAge(String s){
5         super(s);
6     }
7 }
8 class Father {
9     int fatherAge;
10    int sonAge;
11
12    Father(int fAge, int sAge) throws WrongAge{
13        if(fAge == sAge){
14            throw new WrongAge("Father's Age is equal to Son's Age");
15        }else{
16            this.fatherAge = fAge;
17            this.sonAge = sAge;
18        }
19    }
20 }
21 class Son extends Father {
22
23
24    Son(int fAge, int sAge) throws WrongAge{
25        super(fAge, sAge);
26        if(fAge <= sAge){
27            throw new WrongAge("Father's Age is equal to or less than Son's Age");
28        }
29    }
30
31    void Display(){
32        System.out.println("Father's Age: " + fatherAge);
33        System.out.println("Son's Age: " + sonAge);
34    }
35 }
```

C:\WINDOWS\system32\cmd.exe

C:\Users\Ap... &gt; java lab&gt;java lab8main

Enter Father's age

45

Enter Sons's age

35

Father's Age: 45

Son's Age: 35

C:\Users\Ap... &gt; java lab&gt;

C:\Users\Ap... &gt; java lab&gt;java lab8main

Enter Father's age

45

Enter Sons's age

45

Exception WrongAge: Father's Age is equal to Son's Age

C:\Users\Ap... &gt; java lab&gt;java lab8main

Enter Father's age

45

Enter Sons's age

48

Exception WrongAge: Father's Age is equal to or less than Son's Age

C:\Users\Ap... &gt; java lab&gt;

C > Users > Appy > Desktop > java lab > lab8main.java

```
25     super(fAge, sAge);
26     if(fAge <= sAge){
27         throw new WrongAge("Father's Age is equal to or less than Son's Age");
28     }
29 }
30
31 void Display(){
32     System.out.println("Father's Age: " + fatherAge);
33     System.out.println("Son's Age: " + sonAge);
34 }
35 }
36
37 public class lab8main {
38     public static void main(String[] args){
39         int fAge,sAge;
40         Scanner sc = new Scanner(System.in);
41
42         System.out.println("Enter Father's age");
43         fAge = sc.nextInt();
44         System.out.println("Enter Sons's age");
45         sAge = sc.nextInt();
46
47         try{
48             Son son = new Son(fAge, sAge);
49             son.Display();
50         }catch(WrongAge err){
51             System.out.println("Exception " + err);
52         }
53     }
54 }
55 }
56 }
```

C:\WINDOWS\system32\cmd.exe

C:\Users\Appy\Desktop\java lab>java lab8main

Enter Father's age

45

Enter Sons's age

35

Father's Age: 45

Son's Age: 35

C:\Users\Appy\Desktop\java lab>

C:\Users\Appy\Desktop\java lab>java lab8main

Enter Father's age

45

Enter Sons's age

45

Exception WrongAge: Father's Age is equal to Son's Age

C:\Users\Appy\Desktop\java lab>java lab8main

Enter Father's age

45

Enter Sons's age

48

Exception WrongAge: Father's Age is equal to or less than Son's Age

C:\Users\Appy\Desktop\java lab>