

ExceptionHandling.java 3 X

C: > Users > student > Desktop > 1BM24CS131 > ExceptionHandling.java > ExceptionHandling > main(String[])

```
1  import java.util.*;
2  class WrongAge extends Exception{
3      public WrongAge(String msg){
4          super(msg);
5      }
6  }
7  class SonAgeException extends Exception{
8
9      public SonAgeException(String msg){
10         super(msg);
11     }
12 }
13 class Father
14 {
15     public int fage;
16     public Father(int fage)throws WrongAge{
17         if(fage<0){
18             throw new WrongAge(msg: "father age entered is negetive,age cant be negetive");
19         }
20         this.fage=fage;
21     }
22 }
23 class Son extends Father{
24     int sage;
25     public Son(int fage,int sage) throws WrongAge,SonAgeException{
26         super(fage);
27         if(fage<=sage){
28             throw new SonAgeException(msg: "son age cant be less than father age");
29         }
30         this.sage=sage;
31     }
32 }
33 public class ExceptionHandling
34 {
```

Run | Debug

J ExceptionHandling.java 3 X

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```
33 public class ExceptionHandling
35 public static void main(String args[])
37     Scanner sc=new Scanner(System.in);
38     try{
39         System.out.println(x: "enter father age:");
40         int fage=sc.nextInt();
41         System.out.println(x: "enter son age:");
42         int sage=sc.nextInt();
43         Son s1=new Son(fage,sage);
44         System.out.println("father age:"+fage);
45         System.out.println("son age:"+sage);
46     }
47     catch(WrongAge e){
48     System.out.println("wrpngage:"+e.getMessage());
49     }
50     catch(SonAgeException e){
51         System.out.println("sonageexception:"+e.getMessage());
52     }
53     catch(Exception e){
54         System.out.println("general:"+e.getMessage());
55     }
56     finally{
57         System.out.println(x: "excecution done");
58     }
59 }
60 }
61 }
62 }
```

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

execution done
PS C:\Users\student\Desktop\18M24CS131> cd "c:\Users\student\Desktop\18M24CS131\" ; if ($?) { javac ExceptionHandling.java } ; if ($?) { java ExceptionHandling }
enter father age:
5
enter son age:
25
sonageexception:son age cant be less than father age
execution done
PS C:\Users\student\Desktop\18M24CS131> cd "c:\Users\student\Desktop\18M24CS131\" ; if ($?) { javac ExceptionHandling.java } ; if ($?) { java ExceptionHandling }
enter father age:
-5
enter son age:
2
wrongage:father age entered is negetive,age cant be negetive
execution done
PS C:\Users\student\Desktop\18M24CS131> cd "c:\Users\student\Desktop\18M24CS131\" ; if ($?) { javac ExceptionHandling.java } ; if ($?) { java ExceptionHandling }
enter father age:
a
general:null
execution done
PS C:\Users\student\Desktop\18M24CS131> 
```