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J ExceptionHandling.java 3 X
C: > Users > student > Desktop > 1BM24CS131 > J 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
```

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```
33 public class ExceptionHandling
34 {
35     public static void main(String args[])
36     {
37         Scanner sc=new Scanner(System.in);
38         try{
39             System.out.println("enter father age:");
40             int fage=sc.nextInt();
41             System.out.println("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("wrongage:"+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     }
57     finally{
58         System.out.println("excecution done");
59     }
60 }
61 }
```

PROBLEMS ③ OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
execution done
PS C:\Users\student\Desktop\1BM24CS131> cd "c:\Users\student\Desktop\1BM24CS131\" ; 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\1BM24CS131> cd "c:\Users\student\Desktop\1BM24CS131\" ; if ($?) { javac ExceptionHandling.java } ; if ($?) { java ExceptionHandling }
enter father age:
-5
enter son age:
2
wrongage:father age entered is negative,age cant be negative
execution done
PS C:\Users\student\Desktop\1BM24CS131> cd "c:\Users\student\Desktop\1BM24CS131\" ; if ($?) { javac ExceptionHandling.java } ; if ($?) { java ExceptionHandling }
enter father age:
a
general:null
execution done
PS C:\Users\student\Desktop\1BM24CS131> █
```