

Exception Handling (LAB-07)

Code :

```
J Main.java > Language Support for Java(TM) by Red Hat > WrongAgeException > WrongAgeException(String)
1  class WrongAgeException extends Exception{
2      public WrongAgeException(String message){
3          super(message);
4      }
5  }
6
7  class Father{
8      int fatherage;
9      public Father(int Age) throws WrongAgeException{
10         if(Age<0){
11             throw new WrongAgeException("Father's age cannot be negative\n");
12         }
13         fatherage = Age;
14     }
15 }
16
17 class Son extends Father{
18     int sonage;
19     public Son(int fatherage,int sonage)throws WrongAgeException{
20         super(fatherage);
21         if(sonage>=fatherage){
22             throw new WrongAgeException("Son's age cannot be greater than father\n");
23         }
24         if(sonage<0){
25             throw new WrongAgeException("Son's age cannot be negative\n");
26         }
27         this.sonage=sonage;
28     }
29 }
30 public class Main{
31     Run | Debug | Run main | Debug main
32     public static void main(String[] args){
33         try{
34             Father F=new Father(40);
35             Son S = new Son(40,20);
36             System.out.println("Father's age:"+F.fatherage);
37             System.out.println("son's age:"+S.sonage);
38         }
39         catch(WrongAgeException e){
40             System.out.println(e.getMessage());
41         }
42         finally{
43             System.out.println("Age verification complete!\n");
44         }
45     }
}
```

```
PS C:\Users\student\Desktop\1WN24CS120> cd "c:\Users\student\Desktop\1WN24CS120\" ; if ($?) { javac Main.java } ; if ($?) { java Main }
Father's age:40
son's age:20
Age verification complete!

PS C:\Users\student\Desktop\1WN24CS120>
```