

File Edit Selection View Go Run Terminal Help

Father.java - java - Visual Studio Code

Father.java x Generics.java

Father.java > son > compute()

```
1 import java.util.*;
2 import java.lang.String;
3 class WrongAge extends Exception{
4     int age;
5     WrongAge(int x)
6     {
7         age=x;
8     }
9     public String toString()
10    {
11        return "AGE OF SON="+age+" IS ENTERED INCORRECTLY";
12    }
13 }
14 class father
15 {
16     int a;
17     father(int x)
18     {
19         a=x;
20     }
21 }
22 class son extends father{
23     int age;
24     son(int fage,int sage){
25         super(fage);
26         age=sage;
27     }
28
29     void compute() throws WrongAge{
30         if(age>=a)
31         {
32             throw new WrongAge(age);
33         }
34         else{
35             System.out.println("THE AGES ARE ENTERED CORECTLY");
36             System.out.println("FATHER'S AGE="+a+"\t"+"SON'S AGE="+age);
37         }
38     }
39 }
```

Build failed, do you want to continue?

Source: Debugger for Java (Extension)

Proceed Fix... Cancel

Ln 37, Col 12 Spaces: 4 UTF-8 CRLF Java JavaSE-15

22:48 24-11-2020

Visual Studio Code interface showing a Java file named `Father.java` with the following code:

```
29 void compute() throws WrongAge{
30     if(age>=a)
31     {
32         throw new WrongAge(age);
33     }
34     else{
35         System.out.println("THE AGES ARE ENTERED CORECTLY");
36         System.out.println("FATHER'S AGE="+a+"\t"+"SON'S AGE="+age);
37     }
38 }
39
40 }
41
42 class expmain
43 {
44     Run | Debug
45     public static void main(String args[])
46     {
47         Scanner s=new Scanner(System.in);
48         System.out.println("ENTER FATHER'S AGE");
49         int f=s.nextInt();
50         System.out.println("ENTER SON'S AGE");
51         int so=s.nextInt();
52         son ss=new son(f,so);
53         try{
54             ss.compute();
55         }catch(WrongAge e)
56         {
57             System.out.println(e);
58         }
59     }
60 }
```

The code defines a `WrongAge` exception and a `son` class with a `compute()` method that throws `WrongAge` if the age is greater than or equal to `a`. The `expmain` class contains a `main` method that uses a `Scanner` to input ages for a father and a son, creates a `son` object, and calls `compute()` within a try-catch block to handle the `WrongAge` exception.

A build failure notification is displayed in the bottom right corner:

Build failed, do you want to continue?  
Source: Debugger for Java (Extension)  
Buttons: Proceed, Fix..., Cancel

The status bar at the bottom shows: Ln 37, Col 12, Spaces: 4, UTF-8, CRLF, Java, JavaSE-15, 22:48, 24-11-2020.

```
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37     }
38 }
39
40 }
41
42 class expmain
43 {
    Run | Debug
```

PROBLEMS 86 OUTPUT DEBUG CONSOLE TERMINAL

1: powershell + - X

```
PS C:\Users\Harshita\Desktop\java> javac Father.java
PS C:\Users\Harshita\Desktop\java> java expmain
ENTER FATHER'S AGE
30
ENTER SON'S AGE
12
THE AGES ARE ENTERED CORECTLY
FATHER'S AGE=30 SON'S AGE=12
PS C:\Users\Harshita\Desktop\java> java expmain
ENTER FATHER'S AGE
12
ENTER SON'S AGE
30
AGE OF SON=30 IS ENTERED INCORRECTLY
PS C:\Users\Harshita\Desktop\java>
```

Build failed, do you want to continue?  
Source: Debugger for Java (Extension) Proceed Fix... Cancel