```java
69
70    import java.util.Scanner;
71    class fatherAgeException extends Exception
72    {
73        public String toString()
74        {
75            return("Father's age is less than 0");
76        }
77    }
78
79    class sonAgeException extends Exception
80    {
81        int a;
82        sonAgeException (int age)
83        {
84            a = age;
85        }
86        public String toString()
87        {
88            if(a<0)
89                return("Son's age is less than 0");
90            else
91                return("Son's age is more than father's age");
92        }
93    }
94
95    class Father
96    {
97        public int agel;
98        Scanner scan = new Scanner(System.in);
99        int age1;
       Father()
       {
           System.out.println("Enter father's age: ");
           age1 = scan.nextInt();
       }
       void ex1() throws fatherAgeException
       {
           if (age1 < 0)
               throw new fatherAgeException();
       }
    }

    class Son extends Father
    {
```

Scanned with CamScanner

logln.html   # loglnCSS.css   <> webP.html   # bootstrap.css   C main.c   C⁺ main.

Users > bhavyasingh > Desktop > J Main.java > ↳ Father > ⬡ agel

```java
110    }
111
112    class Son extends Father
113    {
114        public int age2;
115        Son()
116        {
117            System.out.print("Enter son's age: ");
118            age2 = scan.nextInt();
119        }
120        void ex2() throws sonAgeException
121        {
122            if(age2 < 0 || age2>super.age1)
123                throw new sonAgeException (age2);
124        }
125    }
126
127    class Main
128    {
           Run | Debug
129        public static void main(String [] args){
130            Son s = new Son();{
131            try{
132                s.ex1();
133            }
134            catch(fatherAgeException e)
135            {
136                System.out.println(e);
137            }
138            try
139            {
140                s.ex2();
141            }
142            catch (sonAgeException e)
143            {
144            System.out.println(e);
145            }
146            }
147        }
148    }
```

PROBLEMS 3   OUTPUT   DEBUG CONSOLE   TERMINAL

Scanned with CamScanner

139   {

```
 /Library/Java/JavaVirtualMachines/adoptopenjdk-15%
bhavyasingh@Bhavyas-MacBook-Pro ~ %  /Library/Java/JavaVirtualMachines/adoptopenjdk-15
sc0000gn/T/vscodesws_6238a/jdt_ws/jdt.ls-java-project/bin Main
Enter father's age:
12
Enter son's age: 45
Son's age is more than father's age
bhavyasingh@Bhavyas-MacBook-Pro ~ % []
```