```java
import java.util.Scanner;
class WrongAge extends Exception {
int age;
WrongAge(int x) {
age = x;
}
public String toString() {
return "AGE OF FATHER=" + age + " IS ENTERED INCORRECTLY";
}
}
class WrongAgeSon extends Exception {
int age;
WrongAgeSon(int x) {
age = x;
}
public String toString() {
return "AGE OF SON=" + age + " IS ENTERED INCORRECTLY";
}
}

class Father {
int a;
Father(int x) {
a = x;
}
void check() throws WrongAge {
if (a<0) {
throw new WrongAge(a);
}
}
}

class Son extends Father {
```

```java
28    throw new WrongAge(a);
29    }
30    }
31    }
32
33    class Son extends Father {
34    int age;
35    Son(int fage,int sage) {
36        super(fage);
37    age = sage;
38    }
39    void compute() throws WrongAgeSon {
40    if (age >= a) {
41    throw new WrongAgeSon(age);
42    } else {
43    System.out.println("THE AGES ARE ENTERED CORECTLY");
44    System.out.println("FATHER'S AGE=" + a + "\t" + "SON'S AGE=" + age);
45    }
46    }
47    💡
48    class ExceptionsMain1 {
      Run | Debug
49    public static void main(String args[]) {
50    Scanner s = new Scanner(System.in);
51    System.out.println("ENTER FATHER'S AGE:");
52    int f = s.nextInt();
53    System.out.println("ENTER SON'S AGE:");
54    int so = s.nextInt();
55    Son ss = new Son(f,so);
56    try {
57    ss.check();
58    try {
```

```java
    } else {
System.out.println("THE AGES ARE ENTERED CORECTLY");
System.out.println("FATHER'S AGE=" + a + "\t" + "SON'S AGE=" + age);
}
}

class ExceptionsMain1 {
public static void main(String args[]) {
Scanner s = new Scanner(System.in);
System.out.println("ENTER FATHER'S AGE:");
int f = s.nextInt();
System.out.println("ENTER SON'S AGE:");
int so = s.nextInt();
Son ss = new Son(f,so);
try {
ss.check();
try {
ss.compute();
} catch (WrongAgeSon e) {
System.out.println(e);
}
} catch (WrongAge e) {
System.out.println(e);
}

}
}
```

```
PS E:\jdk8\bin\ooj lab> javac ExceptionsMain1.java
PS E:\jdk8\bin\ooj lab> java ExceptionsMain1
ENTER FATHER'S AGE:
40
ENTER SON'S AGE:
25
THE AGES ARE ENTERED CORECTLY
FATHER'S AGE=40 SON'S AGE=25
PS E:\jdk8\bin\ooj lab> java ExceptionsMain1
ENTER FATHER'S AGE:
30
ENTER SON'S AGE:
31
AGE OF SON=31 IS ENTERED INCORRECTLY
ENTER FATHER'S AGE:
0
ENTER SON'S AGE:
0
AGE OF SON=0 IS ENTERED INCORRECTLY
PS E:\jdk8\bin\ooj lab> java ExceptionsMain1
ENTER FATHER'S AGE:
-2
ENTER SON'S AGE:
-3
AGE OF FATHER=-2 IS ENTERED INCORRECTLY
PS E:\jdk8\bin\ooj lab>
```