

```
ExceptionsMain.java > ExceptionsMain > main(String[])
1  import java.util.Scanner;
2
3  class WrongAge extends Exception {
4      int age;
5
6      WrongAge(int x) {
7          age = x;
8      }
9
10     public String toString() {
11         return "AGE OF SON=" + age + " IS ENTERED INCORRECTLY";
12     }
13 }
14
15 class father {
16     int a;
17
18     father(int x) {
19         a = x;
20     }
21 }
22
23 class son extends father {
24     int age;
25
26     son(int fage, int sage) {
27         super(fage);
28         age = sage;
29     }
30
31     void compute() throws WrongAge {
32         if (age >= a) {
33             throw new WrongAge(age);
34         }
35     }
36 }
```

ExceptionsMain.java > ExceptionsMain > main(String[])

```
27     super(age);
28     age = sage;
29 }
30
31 void compute() throws WrongAge {
32     if (age >= a) {
33         throw new WrongAge(age);
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 ExceptionsMain {
43     Run | Debug
44     public static void main(String args[]) {
45         Scanner s = new Scanner(System.in);
46         System.out.println("ENTER FATHER'S AGE:");
47         int f = s.nextInt();
48         System.out.println("ENTER SON'S AGE:");
49         int so = s.nextInt();
50         son ss = new son(f, so);
51         try {
52             ss.compute();
53         } catch (WrongAge e) {
54             System.out.println(e);
55         }
56     }
57 }
```

```
E:\jdk8\bin\ooj lab>javac ExceptionsMain.java
```

```
E:\jdk8\bin\ooj lab>java ExceptionsMain
```

```
ENTER FATHER'S AGE:
```

```
45
```

```
ENTER SON'S AGE:
```

```
14
```

```
THE AGES ARE ENTERED CORECTLY
```

```
FATHER'S AGE=45 SON'S AGE=14
```

```
E:\jdk8\bin\ooj lab>java ExceptionsMain
```

```
ENTER FATHER'S AGE:
```

```
45
```

```
ENTER SON'S AGE:
```

```
45
```

```
AGE OF SON=45 IS ENTERED INCORRECTLY
```

```
E:\jdk8\bin\ooj lab>
```