

```

class WrongAge extends Exception
{
    public WrongAge(String msg)
    {
        super(msg);
    }
}

class Father
{
    int father_age;

    public Father(int father_age) {
        this.father_age = father_age;
    }
}

class Son extends Father
{
    int son_age;

    public Son(int father_age, int son_age) {
        super(father_age);
        this.son_age = son_age;
    }

    public void display() throws WrongAge
    {
        if(father_age <= son_age)
            throw new WrongAge("Age of father must be greater than age of son ");
        else {
            System.out.println("Father's age = " + father_age);
            System.out.println("Son's age = " + son_age);
        }
    }
}

```

```

27
28     public void display() throws WrongAge
29     {
30         if(father_age <= son_age)
31             throw new WrongAge("Age of father must be greater
32             than age of son ");
33         else {
34             System.out.println("Father's age = " + father_age);
35             System.out.println("Son's age = " + son_age);
36         }
37     }
38 }
39
40 public class Excep {
41
42     public static void main(String[] args) {
43         Son s1 = new Son(45, 21);
44         try {
45             s1.display();
46         }
47         catch (WrongAge e)
48         {
49             e.printStackTrace();
50         }
51
52         Son s2 = new Son(34, 34);
53         try {
54             s2.display();
55         }
56         catch (WrongAge e)
57         {
58             e.printStackTrace();
59         }
60     }
61 }

```

I


```
C:\Users\Deepu K\java>java Excep
```

```
Father's age = 45
```

```
Son's age = 21
```

```
WrongAge: Age of father must be greater than age of son  
    at Son.display(Excep.java:31)  
    at Excep.main(Excep.java:53)
```

```
C:\Users\Deepu K\java>_
```