

```
import java.util.Scanner;
class WrongAge extends Exception
```

```
{
    private int a;
    WrongAge(int b)
    {
        a=b;
    }
    public String toString() {
    return "WrongAge(" + a + ")";
    }
}
```

```
class father
```

```
{
    int fatherage;
    father() throws WrongAge
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("enter father's age");
        fatherage=sc.nextInt();
        if(fatherage<0)
            throw new WrongAge(fatherage);
        else System.out.println("correct father's age");
    }
}
```

```
class son extends father
```

```
{
    int sonage;
    son() throws WrongAge
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("enter son's age");
        sonage=sc.nextInt();
        if(sonage>=fatherage)
            throw new WrongAge(sonage);
        else System.out.println("NOoo error");
    }
}
```

```
class lab7
{
    public static void main(String args[])
    {
        try{

            son s=new son();

        }catch(WrongAge e){
            System.out.println("Caught " + e);
        }
    }
}
```

```
17geany_run_script_x0R000.sh ; exit;  
enter father's age  
45  
correct father's age  
enter son's age  
23  
N0oo error
```

```
-----  
(program exited with code: 0)  
Press return to continue
```

enter father's age

-9

Caught WrongAge(-9)

(program exited with code: 0)

Press return to continue



enter father's age

34

correct father's age

enter son's age

35

Caught WrongAge(35)

(program exited with code: 0)

Press return to continue

