

LAB 8Aditya Salunkh Kumar
18M19CS191

```
import java.util.*;  
import java.util.Scanner.*;
```

```
class Father {  
    int age;  
    Scanner in = new Scanner(System.in);  
    Father() throws WrongAge {  
        System.out.println("Enter the Father's age: ");  
        age = in.nextInt();  
        if (age < 0) {  
            throw new WrongAge(age);  
        }  
    }  
}
```

```
class Son extends Father {  
    int age;  
    Son() throws WrongAge {  
        super();  
        System.out.println("Enter the age of the son: ");  
        age = in.nextInt();  
        if (age < 0) {  
            throw new WrongAge(age);  
        }  
        if (age > 0) {  
            if (age > super.age || age == super.age) {  
                throw new WrongAge(age);  
            }  
        }  
    }  
}
```



```
class LAB8 {  
    public static void main (String[] args) {  
        try {  
            Son s = new Son();  
        }  
        catch (WrongAge e) {  
            System.out.println(e);  
        }  
    }  
}
```

```
import java.util.*;  
import java.lang.*;
```

```
public class WrongAge extends Exception {  
    int x;  
    WrongAge (int x) {  
        this.x = x;  
    }  
    public String toString() {  
        return "Error";  
    }  
}
```