

Exception handling

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

```
class WrongAge extends Exception{
```

```
    int detail;
```

```
    WrongAge (int a){
```

```
        detail=a;
```

```
    }
```

```
    public String toString(){
```

```
        return "enter correct age"+detail+"is invalid";
```

```
    }
```

```
}
```

```
class father{
```

```
    public int age;
```

```
    Scanner in = new Scanner (System.in);
```

```
    father () throws WrongAge{
```

```
        System.out.print ("Enter the father's age :");
```

```
        age = in.nextInt();
```

```
        if (age < 0)
```

```
            throw new WrongAge (age);
```

```
    }
```

```
}
```

```
class son extends father{
```

```
    Scanner in = new Scanner (System.in);
```

```
    int fage;
```

```
    son (father f) throws WrongAge{
```

```
        this.fage = f.age;
```

```
        System.out.print ("Enter the son's age :");
```

```
        this.age = in.nextInt();
```

```
        if (this.age < 0)
```

```
            throw new WrongAge (age);
```

```
        if (this.age > f.age)
```

```
            throw new WrongAge (age);
```

```
    }
```

```
}  
class ages {  
    public static void main (String [] args)  
    { try {  
        father f = new father ();  
        son s = new son (f);  
    }  
    catch (Exception e)  
    { System.out.println(e);  
    }  
}  
}
```