

```
import java.util.*;
class WrongAge extends Exception
{
```

```
    private int a1, b1;
    WrongAge (int a, int b)
```

```
    {
```

```
        a1 = a;
```

```
        b1 = b;
```

```
    }
```

```
    public String toString ()
```

```
    {
```

```
        if (a1 <= 0 || b1 <= 0)
```

```
            return "input age cannot be less than 0";
```

```
        else if (a1 <= b1)
```

```
            return "father age cannot be less than or  
            equal to son's age";
```

```
        return "";
```

```
    }
```

```
}
```

```
class Father
```

```
{
```

```
    int fage, sage;
```

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

```
    Father () throws WrongAge
```

```
    {
```

```
        System.out.println("Enter the age of father");
```

```
        fage = sc.nextInt();
```

```
        System.out.println("Enter the age of son");
```

```
        sage = sc.nextInt();
```

```
        if (fage <= 0 || sage <= 0)
```

```
            throw new WrongAge(fage, sage);
```

```
    }
```

```
}
```

```
class son extends Father
```

```
{
```

```
    son () throws WrongAge
```

```
    {
```

```
        if (sage >= fage)
```

```
            throw new WrongAge (fage, sage);
```

```
        else
```

```
            System.out.println ("proper ages have been entered");
```

```
    }
```

```
}
```

```
class main {
```

```
{
```

```
    public static void main (String args[])
```

```
    {
```

```
        try
```

```
        {
```

```
            son s = new son ();
```

```
        } catch (WrongAge e) {
```

```
            System.out.println ("Error: " + e);
```

```
        }
```

```
    }
```

```
}
```