

LAB-8

```
import java.util.*;  
class WrongAge extends Exception  
{  
    private int a, b;  
    WrongAge(int a, int b)  
    {  
        a = a;  
        b = b;  
    }  
    public String toString()  
    {  
        if (a < 0 || b < 0)  
            return "input age cannot be less than 0";  
        else if (a <= b)  
            return "father age cannot be less than or equal to son age";  
        return "";  
    }  
}
```

Class Father:

```
{  
    int fage, sage;  
    Scanner sc = new Scanner(System.in);  
    Father() throws WrongAge  
    {  
        System.out.println("enter 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 (fage, sage);
```

```
else
```

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

```
}
```

```
}
```

```
class LABS
```

```
{
```

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

```
{
```

```
try
```

```
{
```

```
Son s = new Son();
```

```
{
```

```
catch (WrongAge e)
```

```
{
```

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

```
}
```

```
}
```

```
}
```