

LAB 8 program :

Page No.:

Date:

youva

```
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 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 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 LAB8
```

```
{
```

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

```
{
```

```
        try
```

```
{
```

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

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

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

```
        }
```

```
    }
```

```
}
```