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18M19C094

LAB8- Father Son Program

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

```
    private int a, b;
```

```
    WrongAge(int x, int y)
```

```
{
```

```
    a = x;
```

```
    b = y;
```

```
}
```

```
    public String toString()
```

```
{
```

```
    if (a < 0 || b < 0)
```

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

```
    else if (a <= b)
```

```
        return "valid ages have not been entered";
```

```
    return "";
```

```
}
```

```
}
```

```
class Father
```

```
{
```

```
    int fAge, sAge;
```

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

```
    Father() throws WrongAge.
```

```
{
```

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

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

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

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

```
    if (fAge < 0 || sAge < 0)
```

```

        throw new WrongAge (Page, sage);
    }
}

class son extends Father
{
    son() throws WrongAge
    {
        if (sage >= sage)
            throw new WrongAge (Page, sage);
    }
    else
        System.out.println (" Valid ages have been entered" );
    }
}

class FatherSon
{
    public static void main (String args[])
    {
        try {
            son s = new son();
        } catch (WrongAge e) {
            System.out.println ("error" + e);
        }
    }
}

```