

LAB PROGRAM - 8

```
import java.util.*;  
class WrongAge extends Exception {  
    private static final long serialVersionUID = 1L;  
    String str;  
    WrongAge (String s) {  
        str = s;  
    }  
    public String toString () {  
        return "Wrong Age: " + str;  
    }  
}  
class Father {  
    public int age;  
    public Father (int a) throws WrongAge {  
        age = a;  
        if (a < 0)  
            throw new WrongAge ("Age cannot  
            be less than 0");  
        else  
            System.out.println ("Valid");  
    }  
}
```



```

class Son {
    Son (int s, int f) throws Wrong Age {
        if (s >= f)
            throw new Wrong Age ("Son's Age cannot
            be greater than or equal to father's age");
        else
            System.out.println ("Valid");
    }
}

```

```

class prog8 {
    public static void main (String args[]) {
        try {
            Scanner sc = new Scanner (System.in);
            int f, s;
            System.out.print ("Enter father's age:");
            f = sc.nextInt ();
            System.out.print ("Enter son's age:");
            s = sc.nextInt ();
            Father ob1 = new Father (f);
            Son ob2 = new Son (s, f);
        }
        catch (Wrong Age e) {
            System.out.println (e);
        }
    }
}

```