

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);
```

```
        }
```

```
    }
```

```
}
```