

LAB - 8.

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```
import java.util.*;
```

```
class Wrongage extends Exception {
```

```
    Wrongage() {
```

```
        System.out.println("Age cannot be 0");
```

```
    }
```

```
    Wrongage(int S, int P) {
```

```
        System.out.println(S + " Son's age cannot be  
more than father's " + P);
```

```
    }
```

```
}
```

```
class Father {
```

```
    static int F-age;
```

```
    Father (int age) {
```

```
        F-age = age;
```

```
    }
```

```
}
```

```
class Son extends Father {
```

```
    int S-age;
```

```
    Son (int sage, int fage) {
```

```
        super (fage);
```

```
        S-age = sage;
```

```
    }
```

```
void Display() throws Wrongage {
```

```
    if (F-age < 0) {  
        throw new Wrongage();  
    }
```

```
    else if (F-age < S-age) {  
        throw new Wrongage(S-age, F-age);  
    }
```

```
    else {
```

```
        System.out.println("Father's age : " + F-age);
```

```
        System.out.println("Son's age : " + S-age);  
    }
```

```
}
```

```
}
```

```
public class App {
```

```
    public static void main (String args)  
        throws Exception {
```

```
        Scanner mInp = new Scanner(System.in);  
        System.out.println("Enter Father's age");  
        int F = mInp.nextInt();
```

```
        System.out.println("Enter Son's age");  
        Son S1 = new Son(S, F);  
        S1.Display();
```

```
    }
```

```
}
```