

Lab program-8

```
import java.util.Scanner;
```

```
class Wrongage extends Exception {
```

```
    int age;
```

```
    Wrongage(int x)
```

```
    { age = x;
```

```
    public String toString()
```

```
    {
```

```
        return "Age of son = " + age + " is
```

```
        entered incorrectly";
```

```
    }
```

```
class Father
```

```
    { int a;
```

```
    Father(int x)
```

```
    { a = x;
```

```
    }
```

```
class Son extends Father {
```

```
    int age;
```

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

```
    { super(fage);
```

```
      age = sage;
```

```
    }
```

```
    void computer() throws Wrongage {
```

```
        if (age > a)
```

```
        {
```

```
            throw new Wrongage(age);
```

```
        }
```

else
{

SOP("Ages are entered correctly");

SOP("Father's age=" + fa + " & " + "Son's
age=" + age);

}

}

}

class expmain

{
public static void main (String
args[])

{

Scanner s = new Scanner (System.in);

SOP("Enter Father's age");

int f = s.nextInt();

SOP("Enter son's age");

int so = s.nextInt();

son ss = new son (f, so);

try {

ss.compute();

} catch (Wrongage e)

{

SOP(e);

}

}

}