

Lab program 8

```
import java.util.*;
import java.lang.String;
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 compute () throws WrongAge  
{  
    if (age >= a)  
    {  
        throw new WrongAge (age);  
    }  
    else {  
        System.out.println ("The ages  
are entered correctly");  
        System.out.println ("Father's age ="  
+ a + "\t" + "Son's age = " + age);  
    }  
}
```

```
class expmain  
{  
    public static void main (String args[])  
    {  
        Scanner s = new Scanner (System.in);  
    }  
}
```



```
System.out.println("Enter father's age");  
int f = s.nextInt();  
System.out.println("Enter son's age");  
int so = s.nextInt();
```

```
son ss = new son(f, so);
```

```
try
```

```
{
```

```
    ss.compute();
```

```
}
```

```
catch (WrongAge e)
```

```
{
```

```
    System.out.println(e);
```

```
}
```

```
}
```

```
}
```