

Mithil Roy

lab 8

```
8 import java.util.*;
class AgeException extends Exception
{
    public String toString()
    {
        return "Age of the Father cannot be less than the age of the Son";
    }
}

class Father
{
    public Scanner ss = new Scanner(System.in);
    int f_age;
    Father()
    {
        System.out.println("Enter the Age of the Father: ");
        f_age = ss.nextInt();
    }
}

class Son extends Father
{
    int s_age;
    Son()
    {
        System.out.println("Enter the Age of the Son: ");
        s_age = ss.nextInt();
    }
}

class Family Main
{
}
```

```
static void WrongAge ( int fage, int  
sage ) throws AgeException {
```

```
{
```

```
    if ( fage < sage )
```

```
    {
```

```
        throw new AgeException ();
```

```
    }
```

```
    System.out.println ("there were no  
other problems arising during execution  
");
```

```
}
```

```
public static void main (String args[])
```

```
{
```

```
    Son sn = new Son ();
```

```
    try {
```

```
    {
```

```
        WrongAge ( sn.fage, sn.sage );
```

```
    }
```

```
    catch (AgeException e)
```

```
    {
```

```
        System.out.println ("An Exception popped  
up: " + e);
```

```
    }
```

```
}
```

```
}
```