Lab Program - 8.

```
import java.util.Scanner;
class WrongAge extends Exception
{
    private int f, s;
    WrongAge(int f1, int s1)
    {
        f = f1;
        s = s1;
    }
    public String toString()
    {
        if (f <= 0)
            return "INVALID INPUT !! Age cannot be
                    negative!";
        else if (s >= f)
            return "INVALID INPUT !! Son's Age must
                    be lesser than father's age!";
        return "";
    }
}

class Father
{
    int fage;
    int sage = 0;
    Scanner is = new Scanner(System.in);
    Father() throws WrongAge
    {
        System.out.println("Enter the Father's age:");
        fage = is.nextInt();
        if (fage < 0)
        {
            throw
```

```
            throw new WrongAge (fage, sage);
        }
    }
}

class Son extends Father
{
    Scanner ss = new Scanner(System.in);
    Son() throws WrongAge
    {
        System.out.println("Enter the Son's age:");
        sage = ss.nextInt();
        if(sage <= fage)
        {
            throw new WrongAge(fage, sage);
        }
        else
        {
            System.out.println("Proper ages have been entered!!");
            System.out.println("Father's Age : " + fage);
            System.out.println("Son's Age : " + sage);
        }
    }
}

class FatherSon
{
    public static void main(String args[])
    {
        try {
            Son s = new Son();
        }
        catch(WrongAge e) {
            System.out.println("ERROR : " + e);
    } } }
```