

Lab Program 8: Exceptions

```

import java.util.*;
class WrongAge extends Exception {
    int f, s;
    WrongAge (int fage, int sage) {
        f = fage;
        s = sage;
    }

    public String toString() {
        return "Please enter the correct ages as father's age can't be  
less than or equal to the son's age";
    }
}

class NegativeAge extends Exception {
    int n;
    NegativeAge (int fage) {
        n = fage;
    }

    public String toString() {
        return "Age can't be a negative value";
    }
}

class Father
{
    int fage;
    Scanner in = new Scanner (System.in);
    Father () throws NegativeAge
    {
        System.out.println ("Enter the father's age");
        fage = in.nextInt();
        if (fage < 0) {
            throw new NegativeAge (fage);
        }
    }
}

```

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    }
}

class Son extends Father
{
    int sage;
    Scanner in = new Scanner(System.in);
    Son() throws NegativeAge, WrongAge {
        super();
        System.out.println("Enter the sons age");
        sage = in.nextInt();
        if (sage < 0)
        {
            throw new NegativeAge(sage);
        }
        if (sage >= sage) {
            throw new WrongAge(sage, sage);
        }
    }
}

```

```

class LAB8 {
    public static void main (String args []) {
        try {
            Son s = new Son();
        }
        catch (NegativeAge n) {
            System.out.println("Exception: " + n);
        }
        catch (WrongAge w) {
            System.out.println("Exception: " + w);
        }
    }
}

```