

LAB Prog-8

```
import java.util.*;

class ageException extends Exception {
    int detail;
    ageException (int a) {
        detail = a;
    }
    public String toString () {
        return "Exception!" + detail + " Entered age"
        // has a problem
    }
}

class father {
    int age;
    father (int age) throws ageException {
        this.age = age;
    }
    void display () {
        System.out.println ("Father's age" + this.age);
    }
}

class son extends father {
    father f;
    son (int age, father f) throws ageException {
        super (age);
        this.f = f;
    }
    void display () {
        this.f.display ();
        System.out.println ("Son's age" + this.age);
    }
}
```


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public class Main {

public static void main (String [] args) throws

ageException

{

Scanner input = new Scanner (System.in);

System.out.println ("Enter father age");

Father f = new Father (input.nextInt());

System.out.println ("Enter son age");

Son s = new Son (input.nextInt(), f);

try {

if (s.age > f.age)

throw new ageException (s.age);

if (f.age <= 0)

throw new ageException (f.age);

if (s.age <= 0)

throw new ageException (s.age);

s.display();

} catch (Exception e) {

System.out.println (e);

}

}

}