Program - 8

```java
import java.util.*;

class ageException extends Exception {
    int detail;
    ageException(int a) {
        detal = a;
    }
    public String toString() {
        return "Exception :" + detail + "the
        entered age does not match
        the Category";
    }
}

class Father {
    int age;
    Father(int age) throws ageException {
        this.age = age;
        if(this.age <= 0) {
            throw new ageException(this.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;
        if(this.age >= this.f.age) {
```

```java
            throw new ageException (this.age);
        }
    }

    void display (){
        this.f.display();
        System.out.println("Son's age :" + this.age);
    }
}

public class Lab8{
    public static void main(String[] args){
        try {
            Scanner input = new Scanner(System.in);
            Father f = new Father(input.nextInt());
            Son s = new Son(input.nextInt(), f);
            s.display();
        } catch (Exception e){
            System.out.println(e);
        }
    }
}
```