Genericsmain.java   exp.java   SRF.v   jkff.v   shiftreg_4bit.v   ASCI.ASM   BINCOUNT.ASM   LABTEST1.ASM   MultithreadDemo.java   threadmain.java

```java
import java.util.Scanner;
class WrongAge extends Exception {
    public WrongAge(String s){
        super(s);
    }
}
class Father {
    int fatherAge;
    int sonAge;
    Father(int fAge, int sAge) throws WrongAge{
        if(fAge == sAge){
            throw new WrongAge("Father's age is equal to son's age");
        }
        else{
            this.fatherAge = fAge;
            this.sonAge = sAge;
        }
    }
}
class Son extends Father {
    Son(int fAge, int sAge) throws WrongAge{
        super(fAge, sAge);
        if(sAge >= fAge){
            throw new WrongAge("Sons's age is equal to or greater than father's age");
        }
    }
    void Display(){
        System.out.println("Father's age: "+fatherAge);
        System.out.println("Son's age: "+sonAge);
    }
}
public class exp {
    public static void main(String[] args){
        int fAge,sAge;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter father's age: ");
        fAge = sc.nextInt();
        System.out.println("Enter sons's age: ");
        sAge = sc.nextInt();
        try{
            Son son = new Son(fAge, sAge);
            son.Display();
        }catch(WrongAge err){
            System.out.println("Exception " + err);
        }
    }
}
```

```
Microsoft Windows [Version 10.0.18362.1082]
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C:\Users\arpit>cd..

C:\Users>cd..

C:\>cd java lab

C:\java lab>javac exp.java

C:\java lab>java exp
Enter father's age:
78
Enter sons's age:
34
Father's age: 78
Son's age: 34

C:\java lab>_
```