

```

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);
    }
}
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();
        }
    }
}

```

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```
}  
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);  
    }  
}  
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);  
        }  
    }  
}
```

```
Command Prompt
Microsoft Windows [Version 10.0.18363.1256]
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C:\Users\priya>cd desktop
C:\Users\priya\Desktop>cd java
C:\Users\priya\Desktop\java>javac 99.java
C:\Users\priya\Desktop\java>java exp
Enter father's age:
45
Enter sons's age:
20
Father's age: 45
Son's age: 20
C:\Users\priya\Desktop\java>
```