

```

import java.util.*;
class WrongAgeException extends Exception {
    public WrongAgeException(String message) {
        super(message);
    }
}

class SonAgeException extends Exception {
    public SonAgeException(String message) {
        super(message);
    }
}

class Father {
    int age;
    public Father(int age) throws WrongAgeException {
        if (age < 0) {
            throw new WrongAgeException("Wrong age");
        }
        this.age = age;
    }
    public int getAge() {
        return age;
    }
}

class Son extends Father {
    int sonAge;
    public Son(int fatherAge, int sonAge) throws WrongAgeException, SonAgeException {
        super(fatherAge);
        if (sonAge >= fatherAge) {
            throw new SonAgeException("Son's age cannot be greater than or equal to father's age");
        }
        this.sonAge = sonAge;
    }
    public int getSonAge() {
        return sonAge;
    }
}

public class Main7{
    public static void main(String[] args) {
        while(true){
            Scanner sc = new Scanner(System.in);
            System.out.print("Enter Father's Age: ");
            int F_Age = sc.nextInt();
            System.out.print("Enter Son's Age: ");
            int S_Age = sc.nextInt();
            try {
                Son son = new Son(F_Age, S_Age);
                System.out.println("Accepted Succesfully");
            }
        }
    }
}

```

```

public class Main7{
    public static void main(String[] args) {
        while(true){
            Scanner sc = new Scanner(System.in);
            System.out.print("Enter Father's Age: ");
            int F_Age = sc.nextInt();
            System.out.print("Enter Son's Age: ");
            int S_Age = sc.nextInt();
            try {
                Son son = new Son(F_Age, S_Age);
                System.out.println("Accepted Succesfully");
            }
            catch (WrongAgeException e) {
                System.out.println(e.getMessage());
            }
            catch (SonAgeException e) {
                System.out.println(e.getMessage());
            }
            System.out.println("Would you like to re-enter details ");
            String input = sc.next();
            if (input.equalsIgnoreCase("n")) {
                break;
            }
        }
    }
}

```

```
C:\Users\Admin>cd desktop
```

```
C:\Users\Admin\Desktop>javac Main7.java
```

```
C:\Users\Admin\Desktop>java Main7
```

```
Enter Father's Age: 45
```

```
Enter Son's Age: 18
```

```
Accepted Succesfully
```

```
Would you like to re-enter details
```

```
y
```

```
Enter Father's Age: -1
```

```
Enter Son's Age: 23
```

```
Wrong age
```

```
Would you like to re-enter details
```

```
y
```

```
Enter Father's Age: 34
```

```
Enter Son's Age: 44
```

```
Son's age cannot be greater than or equal to father's age
```

```
Would you like to re-enter details
```

```
n
```

```
C:\Users\Admin\Desktop>SS_
```