```java
import java.util.Scanner;
class fatherAgeException extends Exception
{
    public String toString()
    {
        return("Wrong Age!! Father's age is less than 0");
    }
}

class sonAgeException extends Exception
{
    int a, b;
    sonAgeException (int sage, int fage)
    {
        a = sage;
        b = fage;
    }
    public String toString()
    {
        if(a==b)
          return("Wrong Age!! Son's age is equal to father's age");
/*        if(a<0)
          return("Wrong Age!! Son's age is less than 0");
*/        else
          return("Wrong Age!! Son's age is more than father's age");
    }
}

class Father
{
    public int age1;
    Scanner scan = new Scanner(System.in);
    int age1;
    Father()
    {
        System.out.print("Enter father's age: ");
```

```java
    {
        System.out.print("Enter father's age: ");
        age1 = scan.nextInt();
    }
    void ex1() throws fatherAgeException
    {
        if (age1 < 0)
            throw new fatherAgeException();
    }
}

class Son extends Father
{
    public int age2;
    Son()
    {
        System.out.print("Enter son's age: ");
        age2 = scan.nextInt();
    }
    void ex2() throws sonAgeException
    {
        if(age2 < 0 || age2>=age1)
            throw new sonAgeException (age2, age1);
    }
}

class lab8
{
    public static void main(String [] args){
        Son s = new Son();{
        try{
            s.ex1();
        }
        catch(fatherAgeException e)
        {
            System.out.println(e);
```

```java
    public int age2;
    Son()
    {
        System.out.print("Enter son's age: ");
        age2 = scan.nextInt();
    }
    void ex2() throws sonAgeException
    {
        if(age2 < 0 || age2>=age1)
        throw new sonAgeException (age2, age1);
    }
}

class lab8
{
    public static void main(String [] args){
        Son s = new Son();{
        try{
            s.ex1();
        }
        catch(fatherAgeException e)
        {
            System.out.println(e);
        }
        try
        {
            s.ex2();
        }
        catch (sonAgeException e)
        {
        System.out.println(e);
        }
        }
    }
}
```

```
Command Prompt                                          ─   □   ✕

Microsoft Windows [Version 10.0.19041.630]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\Jelani>cd java

C:\Users\Jelani\java>java lab8
Enter father's age: -10
Enter son's age: 20
Wrong Age!! Father's age is less than 0
Wrong Age!! Son's age is more than father's age

C:\Users\Jelani\java>java lab8
Enter father's age: 20
Enter son's age: 21
Wrong Age!! Son's age is more than father's age

C:\Users\Jelani\java>java lab8
Enter father's age: 21
Enter son's age: 21
Wrong Age!! Son's age is equal to father's age

C:\Users\Jelani\java>
```