

```

import java.util.Scanner;

class WrongAge extends Exception {

WrongAge(String meassage) {

super(meassage);

}

}

class Father {

int F_age;

Father(int age) throws WrongAge {

if (age <= 0) {

throw new WrongAge("Error!!! Age must be positive");

} else {

F_age = age;

}

}

}

class Son extends Father {

int S_age;

Son(int fage, int sage) throws WrongAge {

super(fage);

if (sage <= 0) {

throw new WrongAge("Error!!! Age must be positive");

} else if (fage <= sage) {

throw new WrongAge("Error!!! Son's age must be lesser than Father's age");

} else {

S_age = sage;

System.out.println("\nNo Errors!!!\nFather age: " + F_age + "\nSon's Age: " +

S_age);

}

}

}

```

```
}  
}  
class Program7 {  
    public static void main(String[] args) {  
        Scanner sc = new Scanner(System.in);  
        System.out.println("Enter Father's age: ");  
        int fa = sc.nextInt();  
        try {  
            Father f = new Father(fa);  
        } catch (WrongAge e) {  
            System.out.println(e.getMessage());  
            return;  
        }  
        System.out.println("Enter Son's age: ");  
        int sa = sc.nextInt();  
        try {  
            Son s = new Son(fa, sa);  
        } catch (WrongAge e) {  
            System.out.println(e.getMessage());  
        }  
    }  
}
```

## OUTPUT:

```
PS C:\Users\VARUN> & 'C:\Program Files\Java\jdk-19\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:8328' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\VARUN\AppData\Local\Temp\vscodesws_e8369\jdt_ws\jdt.ls-java-project\bin' 'Program7'
Enter Father's age:
0
Error!!! Age must be positive
PS C:\Users\VARUN> & 'C:\Program Files\Java\jdk-19\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:8335' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\VARUN\AppData\Local\Temp\vscodesws_e8369\jdt_ws\jdt.ls-java-project\bin' 'Program7'
Enter Father's age:
45
Enter Son's age:
0
Error!!! Age must be positive
PS C:\Users\VARUN> & 'C:\Program Files\Java\jdk-19\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:8342' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\VARUN\AppData\Local\Temp\vscodesws_e8369\jdt_ws\jdt.ls-java-project\bin' 'Program7'
Enter Son's age:
55
Error!!! Son's age must be lesser than Father's age
PS C:\Users\VARUN> & 'C:\Program Files\Java\jdk-19\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:8350' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\VARUN\AppData\Local\Temp\vscodesws_e8369\jdt_ws\jdt.ls-java-project\bin' 'Program7'
Enter Father's age:
45
Enter Son's age:
35

No Errors!!!
Father age: 45
Son's Age: 35
PS C:\Users\VARUN> 
```