WEEK 10 LAB PROGRAM 8.

```java
import java.util.*;

class ageException extends Exception
{
    public String toString ()
        return &"Age of father less ";
}

class Father
{
    public Scanner ss = new Scanner (System.in);
    int father_age;
    Father ()
    {
        father_age = ss.nextInt();
    }
}

class Son extends Father
{
    int son_age;
    Son (){
        son_age = ss.nextInt ();
    }
}
```

```java
class Main
{
    static void WrongAge (int fage, int sage)
    {
        if (fage < sage)
            throw new ageException ();
    }

    public static void main (String args [])
    {
        Son sn = new Son();
        try
        {
            WrongAge (sn.father_age, sn.son_age);
        }
        catch (ageException e)
            System.out.println ("Exception");
    }
}
```

Father.java ×   main.java

Father.java > FamilyMain > main(String[])

```java
import java.util.*;

class AgeException extends Exception
{
    public String toString()
    {
        return "Age of the Father Cannot be lesser than the age of the Son";
    }
}
class Father
{
    public Scanner ss=new Scanner(System.in);
    int f_age;
    Father()
    {
        System.out.println("Enter the Age of the Father: ");
        f_age=ss.nextInt();
    }
}

class Son extends Father
{
    int s_age;
    Son()
    {
        System.out.println("Enter the Age of the Son: ");
        s_age=ss.nextInt();
    }
}
```

Father.java > FamilyMain > main(String[])

```java
31    class FamilyMain
32    {
33        static void WrongAge(int fage, int sage) throws AgeException
34        {
35            if(fage < sage)
36            {
37                throw new AgeException();
38            }
39            System.out.println("There were no other problems arised during execution");
40            System.out.println("The age of the Father is: "+fage);
41            System.out.println("The age of the Son is: "+sage);
42        }
43

    Run | Debug
44        public static void main (String args[])
45        {
46            Son sn= new Son();
47            try
48            {
49                WrongAge(sn.f_age,sn.s_age);
50            }
51            catch(AgeException e)
52            {
53                System.out.println("An Exception popped up: "+ e);
54            }
55        }
56    }
```

EXPLORER   ···

> OPEN EDITORS
∨ PROGRAMS JAVA
   ∨ CIE
     Internals.java
     main.java
     Student.java
   > SEE
   Father.java   1
   main.java   1
   studentMain.java
   TotalMarks.java   2

Father.java ✕   main.java

Father.java > FamilyMain

TERMINAL   PROBLEMS   OUTPUT   DEBUG CONSOLE   1: Java Debug Console ∨   +   ☐   🗑   ∧

```
The Value of Age is: 49
                              grams java'; & 'c:\Users\hp\.vscode\extensions\vscjava.vscode-java-debug-0.29.0\scripts
\launcher.bat' 'C:\Program Files\AdoptOpenJDK\jdk-11.0.9.11-hotspot\bin\java.exe' '-Dfile.encoding=UTF-8' '-cp' 'C:\Users\hp\Ap
pData\Roaming\Code\User\workspaceStorage\52609d74f618f292e0a3b14e2f3022b4\redhat.java\jdt_ws\programs java_b548dbef\bin' 'Famou
sMain'
The Value of Name is: Elon Musk
PS G:\bin\programs java>
PS G:\bin\programs java>
PS G:\bin\programs java>  cd 'g:\bin\programs java'; & 'c:\Users\hp\.vscode\extensions\vscjava.vscode-java-debug-0.29.0\scripts
\launcher.bat' 'C:\Program Files\AdoptOpenJDK\jdk-11.0.9.11-hotspot\bin\java.exe' '-Dfile.encoding=UTF-8' '-cp' 'C:\Users\hp\Ap
pData\Roaming\Code\User\workspaceStorage\52609d74f618f292e0a3b14e2f3022b4\redhat.java\jdt_ws\programs java_b548dbef\bin' 'Famil
yMain'
Enter the Age of the Father:
30
Enter the Age of the Son:
23
There were no other problems arised during execution
The age of the Father is: 30
The age of the Son is: 23
PS G:\bin\programs java>
PS G:\bin\programs java>
```

> OUTLINE
> NPM SCRIPTS
> JAVA PROJECTS
> MAVEN