Lab program 8 :-

```java
import java.util.*;
class AgeException extends Exception
{
    public String toString()
    {
        return "Age of the father cannot be lesses 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();
    }
}
```

```java
class FamilyMain
{
    static void WrongAge (int fage, int sage) throws AgeException
    {
        if (fage < sage)
        {
            throw new AgeException();
        }
        System.out.println("There were no other problems
                            arised during excecution");
        System.out.println("The Age of the father is: "+ fage);
        System.out.println("The Age of the Son is: "+ sage);
    }

    public static void main (String args[3])
    {
        Son sn = new Son();
        try
        {
            WrongAge (sn.fage, sn.sage);
        }
        catch (AgeException e)
        {
            System.out.println("An Exception popped up: "+ e);
        }
    }
}
```

```
Enter the Age of the Father:
34
Enter the Age of the Son:
12
There were no other problems arised during execution
The age of the Father is: 34
The age of the Son is: 12
PS D:\Java Programs\Week 10>  cd 'd:\Java Programs\Week 10'; & 'c:\Users\khush\.vscode\ex
JDK\jdk-11.0.8.10-hotspot\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,susp
Storage\2b4e8dbe371b3dd5a4fa074dc92557af\redhat.java\jdt_ws\Week 10_d36af370\bin' 'Family
Enter the Age of the Father:
12
Enter the Age of the Son:
34
An Exception popped up: Age of the Father Cannot be lesser than the age of the Son
PS D:\Java Programs\Week 10> []
```