Lab-8

```
import java.util.Scanner;

class fatherAgeException extends Exception
{
    public String toString()
    {
        return("Father's age is less than 0");
    }
}

class sonAgeException extends Exception
{
    int a;
    sonAgeException (int age)
    {
        a = age;
    }
    public String toString()
    {
        if (a<0)
            return("Son's age is less than 0");
        else
            return("Son's age is more than fathers age");
    }
}
```

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

    void ex1 () throws fatherAge Exception
    {
        if (age1<0)
            throw new fatherAge Exception ();
    }
}

class son extends father
{
    public int age2;
    son ()
    {
        System.out.println(" Enter son's age: ");
        age2 = scan.nextInt();
    }

    void ex2() throws sonAge Exception
    {
        if(age2 <0 || age2 > super.age1)
            throw new sonAge Exception (age2);
    }
}
```

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