LAB-8

Date _____ Page _____

```
import java.util.*;
import java.io.*;
import java.lang.*;

class Wrongage extends Exception
{
 Public int a;
Wrongage (int x)
{
a = x;
}
Public string to string ()
{
return "Wrongage [" + a + "]";
 }
}
 class Father
{
Public int age;
Father (int a)
{
age = a;
}
Public void check () throws Wrongage
{
System.out.println ("Checking the age of the Father");
 System.out.println ();
 if (age < 0)
throw new Wrongage (age);
System.out.println (" Correct Age");
```

```
}
}
Class Son extends Father
{
 Public int son_age;
Son (int Fa_age, int i)
{
 Super (fa_age);
 Son_age = i;
}
 Public void check () throws
 Wrongage
 {
 Super (Fa_age);
 Son: age = i;
}
Public void check () throws Wrongage
{
 Super.check ();
System.out.println ();
System.out.println ("checking the age of the son");
 System.out.println ();
if (son_age < 0 || son_age > age)
throw new Wrongage (son_age);
System.out.println ("correct Age");
}
}
 Public class errotest
{
 Public static void main (String [] args)
```

```
{
int So_age, Father_age;
Scanner Sc = new
Scanner (System.in);
System.out.println ("Enter the Age of the Father");
Father_age = Sc.nextInt ();
System.out.println ("Enter the age of the son");
    So_age = Sc.nextInt ();
Son S = new
Son (Father_age, So_age);
try
{
S.check ();
}catch (Wrongage W)
{
System.out.println ("Exception :" + W);
}

}

}
```