Lab 8

```
import java.util.*;
class WrongAge extends Exception {
int f, s;
WrongAge (int fage, int sage) {
    f = fage;
    s = sage;
}

public String toString(){
return "Please enter the correct ages as father's age
    can't be less than or equal to the son's
    age.";
}}

class NegativeAge extends Exception {
 int x;
NegativeAge (int fage) {
x = fage;
}

public String toString (){
return "Age can't be a negative value.";

}}
```

Teacher's Signature :

```
class Father
{
 int fage;
Scanner in= new Scanner(system.in);
 Father () throws Negative Age.
 {
 System.Out.println("Enter the father's age:");
 fage =in.nextInt();
 if (fage <0) {
 throw new NegativeAge (fage);
}}}
class Son extends Father.
{
 int Sage;
Scanner in = new Scanner(system.in);
Son () throws Negative Age, Wrong Age {
 super();
System.out.println("Enter the son's age:");
 sage =in.nextInt();
```

Date

Expt. No. Page No.

```
if (sage < 0)
{
throw new NegativeAge (sage);
}
 if (sage >= fage) {
throw new WrongAge (fage, sage);
 }

}}
class AgeDisplay {
public static void main (String args[]) {
  try {
Son s = new Son ();
}
catch (NegativeAge n) {
System.out.println(" Exception: "+n);
}
```

Teacher's Signature :

```
catch (WrongAge w){
System.out.println("Exception: " + w);
  }
}}
```