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LAB-8

```java
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";
}
}


Class Father
{
int fage;
Scanner in = new Scanner (system.in);
Father () throws NegativeAge.
```

```
{
system.out.println ("Enter the father's age");
fage = in.next Int ();
if (fage < 0) {
throw new NegativeAge (fage);
} } }

class Son extends Father
{
int sage;
Scanner in = new Scanner (system.in);
Son() throws NegativeAge, Wrong Age {
super ();
system.out.println ("Enter the son's age:")
Sage = in.next Int ();
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();
}
}
```

```java
catch (NegativeAge n) {
System.out.println ("Exception :"+n);
}
}

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