Name of the Experiment :
Experiment No. : WEEK-10 LAB-8 NEW
Date :
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```
import java.util.Scanner;
class WrongAge extends Exception {
int age;
WrongAge(int x) {
 age = x;
} public String toString() {
 return "AGE OF FATHER" + age + " INCORRECT";
}}
class WrongAgeSon extends Exception {
 int age;
 WrongAgeSon(int x) {
 age = x;
 } public String toString() {
 return "AGE OF SON" + age + " INCORRECT";
}}
class Father {
int a;
Father(int x) {
 a = x;
} void check() throws WrongAge {
 if(a<0) {
 throw new WrongAge(a);
}}}
```


Signature.....

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```
class Son extends Father {
int age;
Son(int fage, int sage){
   super(fage);
age = sage;
} void compute() throws WrongAgeSon {
if (age >= a) {
throw new WrongAgeSon(age);
}else {
System.out.println("CORRECT" + sage + ~~fage~~ " " + fage);
}}
class ExceptionsMain {
public static void main(String[] args) {
Scanner s = new Scanner(System.in);
System.out.println("Enter father's and son's ages");
int f = s.nextInt();
int so = s.nextInt();
Son ss = new Son(f, so);
try { ss.check();
try { ss.compute();
} catch (WrongAge.Son e) {
   System.out.println(e); }
} catch (WrongAge e) {
   System.out.println(e);
}}}
```


Signature.....