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1BM19CS187
`3D´ Batch-2

```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.";}
}}
```

```java
class Father
{
    int fage;
    Scanner in=new Scanner (System.in);
    Father () throws NegativeAge
    {
        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 NegativeAge, WrongAge {
        super ();
        System.out.println ("Enter the son's age:");
        sage = in.nextInt ();

        if (sage <0)
        {
            throw new NegativeAge (sage);
        }
    }
```

```java
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);
    }

    catch (WrongAge w) {

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