27/11/20   Jab-8

Q) WAP for demonstrating exception
age is >= father's age

```java
import java.util.*;
class wrg extends Exception {
    int f, s;
    wrg (int fa, int sa) {
        f = fa;
        s = sa;
    }
    public String toString() {
        return "father's age (" + f + ") can't
        be <= to son's age (" + s + ")..";
    }
}
class neg extends Exception {
    int a;
    neg (int fa) {
        a = fa;
    }
    public String toString() {
        return "Age (" + a + ") can't be
        negative "; }
}
class father {
    int age;
```

```java
    String name;
    Scanner in = new Scanner(System.in);
    Father() throws neg {
        System.out.print("Enter father's
            name : "); name = in.next();
        System.out.print("Enter father's
            age : "); age = in.nextInt();
        if (age < 0) {
            throw new neg (age); }}
}
class Son extends Father {
    int sage;
    String sname;
    Scanner in = new Scanner(System.in);
    Son() throws neg, wrg {
        super();
        System.out.print("Enter son's
            name : "); sname = in.next();
        System.out.print("Enter father's
            son's age : "); sage = in.nextInt();
        if (sage < 0)
            throw new neg (sage);
        if (sage >= age)
            throw new wrg (age, sage);
        System.out.println("Father's age
```

is "" age + "and son's age is ..."

}

}

class Series {

    public static void main (string args[]):

        try { son s = new Son (); }

        catch (neg n) {

          System.out.println (" Exception caught

          " + n); }

        catch (wrg w) {

          System.out.println (" Exception

            caught : " + w); }

    }

}

O/P→ Enter father's Name : Ram

       Enter father's Age : -23

       Exception caught : ~~Father's~~ age (-23) can

              be negative.

Algorithm →

① Create exceptions for negative & wrong age

② Take values for father's & son's age.

③ If any one of them is not correct then pass that value from try to catch & print the exception caught else print the values.

④ End