Lab Program - 8
FatherMain.java
import java.util.Scanner;
import java.util.Exception;

```java
class WrongAge extends Exception {
    WrongAge (String s)
        super (s);
    }
}

class InputScanner {
    Scanner sc = new Scanner (System.in);
    int Age;
    InputScanner () {
        if (this.getClass () == Father.class) {
            System.out.println ("Enter father age: ");
            Age = sc.nextInt ();
        }
    }
}

class Father extends InputScanner {
    int FatherAge;
    Father () throws WrongAge {
        FatherAge = Age
        if (FatherAge < 0) {
            throw new WrongAge ("Age Cannot be co
        }
    }

    void display () { System.out.println ("Father Age
                                        + FatherAge
}
```

```java
class Son extends Father {
    int Son Age;
    Son() throws Wrong Age {
        Super();
        System.out.println(" Enter son age : ");
        Son Age = sc.next();
        if ( Father Age < Son Age )
            throw new Wrong Age (" Age cannot be > father);
        } else if ( Son Age < 0 ) {
            throw new Wrong Age (" Age cannot be < 0 ");
        }
    }
    void display () { System.out.println (" Son Age : " + Son Age ); }
}

class Father Main {
    public static void main (String args[]) {
        try {
            Father father = new Father();
            Son son = new Son();
            father.display ();
            son.display ();
        } catch ( Wrong Age ( Wrong Age e) {
            System.out.println ( e.get Message ());
        }
    }
}
```

Output:

1) Enter father age :
10
Enter son age :
5
Father Age : 10
Son Age : 5

2) Enter father age :
-1
Age cannot be < 0

3) Enter father age:
14
Enter son age:
16
Age cannot be greater for son

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