LAB-8

```java
import java.util.Scanner;

class WrongAge extends Exception {
    double age;
    WrongAge (double x) {
        age = x;
    }

    public String toString() {
        return "Age of Son" + age + "is invalid";
    }
}

class Father {
    double fage;
    Father (double father_age) {
        fage = father_age;
    }
}

class Son extends Father {
    double Sage;
    Son (double fage; double age) {
        Super (fage);
        Sage = age;
    }
}
```

```java
Void  Calculate () throws WrongAge {
    if (Sage >= fage) {
        throw new WrongAge (Sage);
    }
    else {
        System.out.println (" The age of father :"+fage);
        System.out.println (" The age of Son is:" + Sage);
    }
}
}

class  Main {
    public Static Void  main (String  args[]) {
        Scanner S1 = new Scanner (System.in);
        System.out.println (" Enter father's age :");
        double f = S1. nextDouble ();
        System.out.println (" Enter Son's age :");
        double S = S1. nextDouble ();
        Son  Sa = new Son(f, S);
        try {
            Sa. Calculate ();
        }
        Catch (WrongAge e) {
            System.out.println (" Input invalid "+e);
        }
    }
}
```