```
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;
ł
class Son extends Father{
    double sage;
    Son(double fage, double age){
        super(fage);
        sage = age;
    void calculate() throws WrongAge{
        1f(sage=fage){
            throw new WrongAge(sage);
            System.out.println("The age of Father is: " +fage);
            System.out.println("The age of Son is: " *sage);
```

```
class Son extends Father{
    double sage;
    Son(double fage, double age){
        super(fage);
        sage = age;
    void calculate() throws WrongAge{
        if(sage>fage){
            throw new WrongAge(sage);
            System.out.println("The age of Father is: " *fage);
            System.out.println("The age of Son is: " *sage);
                                     D
class ExeMain{
      blic 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);
```

```
Last login: Mon Dec 28 01:05:29 on ttys000
[(base) jathinsmacbookpro@Jathins-MacBook-Pro ~ % cd Desktop
[(base) jathinsmacbookpro@Jathins-MacBook-Pro Desktop % cd java
[(base) jathinsmacbookpro@Jathins-MacBook-Pro java % javac lab8.java
(base) jathinsmacbookpro@Jathins-MacBook-Pro java % java ExeMain
Enter father's age:
Enter son's age:
Input invalidAge of son 50.0 is invalid
(base) jathinsmacbookpro@Jathins-MacBook-Pro java % java ExeMain
Enter father's age:
45
Enter son's age:
19
The age of Father is: 45.0
The age of Son is: 19.0 (base) jathinsmacbookpro@Jathins-MacBook-Pro java %
```