

```

import java.util.*;
class WrongAge extends Exception{
    private String detail;
    WrongAge(String s){
        detail=s;
    }
    public String toString(){
        return ("Inavlid Age exception : "+detail);
    }
}
class Father{
    int age;
    Father(int a){
        age=a;
    }
}
class Son extends Father{
    int age1;
    Son(int a,int b){
        super(a);
        age1=b;
    }
}

public class Prog8 {
    public static void main(String args[]){
        Scanner in = new Scanner(System.in);
        System.out.println("Enter Father's and Son's age");
        int m=in.nextInt();
        int n=in.nextInt();
        try{
            if(m<0)
                throw new WrongAge("Negative");
            else if(n>=m)
                throw new WrongAge("Illogical");
            else{
                Son ob=new Son(m,n);
                System.out.println("Father's Age: "+ob.age+"\nSon's Age: "+ ob.age1);
            }
        }
        catch (WrongAge e){
            System.out.println(e);
        }
    }
}

```

Output:

```
PS D:\Prg data\Java\00J Lab\Sample> cd "d:\Prg da
Enter Father's and Son's age
10 20
Inavlid Age exception : Illogical
PS D:\Prg data\Java\00J Lab\Sample> cd "d:\Prg da
Enter Father's and Son's age
-5 10
Inavlid Age exception : Negative
PS D:\Prg data\Java\00J Lab\Sample> cd "d:\Prg da
Enter Father's and Son's age
40 20
Father's Age: 40
Son's Age: 20
PS D:\Prg data\Java\00J Lab\Sample> █
```