WEEK-10 (LAB PROGRAM-8)

8.
```java
import java.util.Scanner;
class WrongAge extends Exception {
    public WrongAge(String s) {
        super(s);
    }
}

class Father {
    int fatherAge;
    int sonAge;
    Father(int fAge, int sAge) throws WrongAge {
        if (fAge == sAge) {
            throw new WrongAge("Father's age is equal
                        to son's age");
        } else {
            this.fatherAge = fAge;
            this.sonAge = sAge;
        }
    }
}

class Son extends Father {
    Son(int fAge, int sAge) throws WrongAge {
        super(fAge, sAge);
        if (sAge >= fAge) {
            throw new WrongAge("Son's age is equal
                        to or greater than father's Age");
        }
    }

    void Display() {
        System.out.println("Father's age: " + fatherAge)
```

```java
        System.out.println("Son's Age: "+sonAge);
    }
}

public class exp {
    public static void main(String[] args) {
        int fAge, sAge;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter father's age: ");
        fAge = sc.nextInt();
        System.out.println("Enter son's age: ");
        sAge = sc.nextInt();
        try {
            Son son = new Son(fAge, sAge);
            son.Display();
        } catch (WrongAge err) {
            System.out.println("Exception "+err);
        }
    }
}
```