Lab 8

```java
import java.util.*;

class InvalidAge extends Exception
{
    int a;
    InvalidAge (int x)
    {
        a = x;
    }
    public String toString ()
    {
        return "The age of son entered is incorrect";
    }
}

class father
{
    int a;
    father (int x)
    { a = x; }
}

class son extends father.
{
    int age.
    son (int f, int s)
    { age = s;
        super (f);
    }
}
```

```java
void compute() throws Invalid Age
{
    if (age > a)
        throw new Invalid Age (age);
    else
    {
        System.out.println(" The ages are correct!");
        System.out.println(" Father's age : " + a + "\t
                            Son's age : " + age);
    }
}

class error
{
    public static void main (String args[])
    {
        Scanner s = new Scanner(System.in);
        System.out.println(" Enter the age of Father.");
        int f = s.nextInt();
        System.out.println(" Enter the age of Son ");
        int so = s.nextInt();
        try
            ss.compute();
        }
        catch (Invalid Age e)
        {
            System.out.println(e);
        }
    }
}
```

```
vj2001@VJ:~/ooj-lab$ java error
Enter the age of the Father
45
Enter the age of the Son
45
The age of Son entered 45 is incorrect
vj2001@VJ:~/ooj-lab$ java error
Enter the age of the Father
45
Enter the age of the Son
35
The ages entered are correct!
Father's age=45 Son's   age=35
vj2001@VJ:~/ooj-lab$
```