Lab program - 8

```java
import java.util.Scanner;
class WrongAge extends Exception
{
    int age;
    WrongAge (int x)
    {
        age = x;
    }
    public String to String ()
    {
        return "Age of son = "+age+" is entered incorrectly";
    }
}
class father
{
    int a;
    father (int x)
    {
        a = x;
    }
}
class son extends father
{   int age;
    son (int fage, int sage )
    {   super (fage);
        age = sage ;
    }
    void compute () throws WrongAge
    { if (age >= a)
        { throw new WrongAge (age);
    }
}
```

```
    else
    {
    System. out. println (" the Ages are entered correctly")
      System. out, print ln (" Father's age = + at "\t"+
                        " son's age =" + age );
    }
    }
    }

public class expmain
    {
        public static void main (String args [])
    {
        Scanner sc = new Scanner (system. in);
    System. out. println (" enter father's age ");
        int f = S.nextInt();
        System. out. println (" enter son's age ");
        int so =s.next Int ();
        son ss = new son (f, so);
        try
    {
        ss. compute ();
    }
        catch (WrongAge e)
    {
        System. out. print ln (e);
    }
    }
    }
```