

Lab 8:

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IBMIACSO57

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

```
class Father {  
    int fatherAge;  
    Father()  
    {  
        Scanner inp = new Scanner(System.in);  
        System.out.print("Enter Father's Age: ");  
        fatherAge = inp.nextInt();  
    }  
}
```

```
class Son extends Father {  
    int sonAge;  
    Son() {  
        super();  
        Scanner inp = new Scanner(System.in);
```

```
try { if (fatherAge <= 0)  
    {  
        throw new WrongAge("Age cannot be less than or equal  
        to zero");  
    }  
else  
    {  
        System.out.print("Enter Son's Age: ");  
        sonAge = inp.nextInt();  
  
        try { if (sonAge >= fatherAge)  
            {
```

throw new WrongAge ("Age of son cannot be greater than or equal to age of father");

}
else { system.out.println("Entered ages are ~~wrong~~ ^{correct}!");

}
}

catch (WrongAge e)

{ system.out.println(e);

}
}

catch (WrongAge e)

{ system.out.println(e);

}
}

class ageException {

public static void main (String[] args)

{ Son s = new Son();

}
}