

LAB-8

Q.

```
import java.util.*;  
import java.lang.*;
```

```
class father
```

```
{ int age ;
```

```
Scanner in = new Scanner (System.in);
```

```
father () throws WrongAge {
```

```
System.out.print ("Enter The Father age)
```

```
age = in.nextInt();
```

```
if (age < 0) {
```

```
throw new WrongAge (age);
```

```
}
```

```
}
```

```
class Son extends father {
```

```
int age;
```

```
son () throws WrongAge {
```

```
super();
```

```
System.out.println ("Enter the age  
of the son");
```

```
age = in.nextInt();
```

```
if (age < 0) {
```

```
    throw new WrongAge(age);
```

```
    if (age > super.age || age == super.age) {
```

```
        throw new WrongAge(age);
```

```
    }
```

```
class LAB8 {
```

```
    public static void main (String[] args)
```

```
    { try {
```

```
        Son s = new Son();
```

```
    }
```

```
    catch (WrongAge e) {
```

```
        System.out.println(e);
```

```
    }
```

```
}
```

```
}
```

```
import java.util.*;  
import java.lang.*;  
public class WrongAge extends Exception {  
    int n  
    WrongAge (int n) {  
        this.n = n;  
    }  
    public String toString () {  
        return  
    }  
}
```