

LAB

papergrid
Date: / /

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

```
class wrongage extends Exception
```

```
{
```

```
    private int detail;
```

```
    wrongage (int a)
```

```
    {
```

```
        detail = a;
```

```
    }
```

```
    public String toString()
```

```
    {
```

```
        return "wrongage [" + detail + "]";
```

```
    }
```

```
}
```

```
class father
```

```
{
```

```
    int age;
```

```
    father (int a)
```

```
    {
```

```
        age = a;
```

```
    }
```

```
    void checkage() throws wrongage
```

```
    {
```

```
        if (age <= 0)
```

```
            throw new wrongage (age);
```

```
    }
```

```
}
```


class son extends father
{

int ages;
son (int a, int b)
{

super(b);
ages = a;
}

void check () throws wrong age
{

if (ages == 0)
throw new wrong age (ages);

if (age <= ages)
throw new wrong age (age);

System.out.println ("The given
ages are correct");
}

}
class agemain1
{

public static void main (String
args[])

{
try {

Scanner sc = new Scanner (System.
in);
System.out.println ("Enter father
and son's age:");

int a1 = sc.nextInt();

int a2 = sc.nextInt();

son s = new son (a2, a1);

s.check (a1);

s.check ();
}