

## Exception Age program

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13M19CS0611

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

```
class WrongAge extends Exception  
{
```

```
    int F, S;
```

```
    WrongAge (int fatherage, int sonage)
```

```
    {
```

```
        F = fatherage;
```

```
        S = sonage;
```

```
    }
```

```
}
```

```
class Father
```

```
{
```

```
    int fatherage;
```

```
    int sonage;
```

```
    Father (int f, int s) throws WrongAge
```

```
    {
```

```
        if (f == s)
```

```
            throw new WrongAge (fatherage, sonage);
```

```
        else
```

```
        {
```

```
            this.fatherage = f;
```

```
            this.sonage = s;
```

```
        }
```

```
    }
```

```
}
```

Class Son extends Father

{

Son(int f, int s) throws WrongAge

{

super(f, s);

if (s >= f)

throw new WrongAge(fatherage, sonage);

System.out.println("Valid Age");

}

void display()

{

System.out.println("Father's Age: " + fatherage);

System.out.println("Son's Age: " + ~~sonage~~ sonage);

}

}

class MainAgeMain {

public static void main(String[] args) {

int f, s;

Scanner S = new Scanner(System.in);

System.out.println("Enter Father's Age:");

f = S.nextInt();

System.out.println("Enter Son's Age:");

s = S.nextInt();

try {  
Son st = new Son(f, s);

st.display();

}

catch (WrongAge e)

{  
System.out.println("Exception: " + e);

}  
}  
}