

```
import java.util.Scanner;
```

```
class WrongAge extends Exception {  
    public WrongAge (String message) {  
        super (message);  
    }  
}
```

```
}  
  
class Father {  
    int FatherAge;  
  
    public Father (int fatherAge) throws WrongAge {  
        if (fatherAge < 0) {  
            throw new WrongAge ("Age cannot be negative");  
        }  
        this.fatherAge = FatherAge;  
    }  
}
```

```
}  
  
class Son extends Father {  
    int sonAge;
```

```
public son (int fatherAge, int sonAge) throws  
WrongAge {
```

```
    super (fatherAge);
```

```
    if (sonAge >= fatherAge) {
```

```
        throws new WrongAge ("son's age must be less  
        than Father's age");
```

```
    }
```

```
    this.sonAge = sonAge;
```

```
}
```

```
}
```

```
public class fatherSon {
```

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

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

```
        System.out.println ("enter father's age & son's age");
```

```
        int fa = sc.nextInt();
```

```
        int sa = sc.nextInt();
```

```
        try {
```

```
            son s = new son (fa, sa);
```

```
            System.out.println ("father's age: " + s.fatherAge);
```

```
            System.out.println ("son's age: " + s.sonAge);
```

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

```
            System.out.println ("Error: " + e.getMessage());
```

```
        }
```

```
    }
```

```
}
```



```
C:\jdk>java ExceptionProg  
WrongAge: Age is incorrect  
ANJALI 1BM22CS043
```