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Program Main2.java

IBMIACS202

3-D

Lab8. (Exception)

```
import java.util.*;  
class WrongAge extends Exception {  
    private int a1, b1;  
    WrongAge(int a, int b) {  
        a1 = a;  
        b1 = b;  
    }  
    public String toString() {  
        if (a1 < 0 || b1 < 0)  
            return "Input age cannot be less than 0";  
        else if (a1 < b1)  
            return "Father's age cannot be less than  
            'Equal to son age';  
        return "";  
    }  
}
```

```
class Father {
```

```
    int Fage, sage;
```

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

```
    Father() throws WrongAge {
```

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

```
        Fage = sc.nextInt();
```

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

```
        sage = sc.nextInt();
```

```
        if (Fage < 0 || sage < 0)
```

```
            throw new WrongAge(Fage, sage);
```

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```
class Son extends Father {
```

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

```
        if ("sage = fage")
```

```
            throws new WrongAge (fage, sage);
```

```
        System.out.println ("Proper age have been entered");
```

```
    } }
```

```
class Main2 {
```

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

```
        try {
```

```
            son s=new son();
```

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

```
            System.out.println ("error "+e);
```

```
        }
```

```
    }
```

```
}
```