

Lab 8 : Naman Singh

```
import java.util.Scanner;  
class WrongAge extends Exception  
{  
    private int a;
```

```
    WrongAge(int age)
```

```
{
```

```
    a = age;
```

```
}
```

```
    public String toString()
```

```
{
```

```
        return "Son's age is entered  
        incorrectly : " + a;
```

```
}
```

```
}
```

```
class Father {
```

```
    int a;
```

```
    Father(int age)
```

```
{
```

```
        a = age;
```

```
}
```

```
}
```

```
class Son extends Father {  
    int age;
```



```
    Son(int fage, int sage) throws wrongAge
```

```
    {
        safer(fage);
        if (sage >= fage)
        {
```

```
            throw new WrongAge(sage);
        }
```

```
    }
    else {
```

```
        age = sage;
```

```
        System.out.println("Father's age : " +
            a + "\n Son's age : " + age);
    }
```

```
}
```

```
public class exceptionMain()
{
```

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

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

```
        System.out.println("Enter father's age");
```

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

```
        System.out.println("Enter son's age");
```

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

```
        try {
```

```
            Son s = new Son(a,b);
```

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

```
        {
```

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

```
        }
```

```
}
```