

Lab-8

```
import java.util.Scanner;
class Father
{
```

```
    int age;
    Father(int age)
    {
        try
```

```
        {
            checkAge();
        }
```

```
    } catch (Excep e)
    {
```

```
        System.out.println("Age cannot be negative.");
    }
```

```
    }
    static void check(int a) throws Excep
    {
```

```
        if(a < 0)
```

```
        {
            throw new Excep();
        }
```

```
        System.out.println("No exception in father's age.");
    }
```

```
    }
    class Excep extends Exception
    {
```

```
        public String toString()
        {
```

```
            return "Wrong Age.";
        }
```

```
    }
}
```

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```
class Son extends Father
```

```
{  
    int s-age;  
    Son(int f, int s)
```

```
{  
    Super(f);  
}
```

```
    check(f, s);
```

```
    catch (Excp e)
```

```
{  
    System.out.println(e + "Son's age  
    cannot be greater than equal to  
    father's age.");  
}
```

```
}  
static void check(int fa, int son) throws Excp
```

```
{  
    if (son >= fa)
```

```
        throw new Excp();
```

```
    System.out.println("No exception  
    in son's age");  
}
```

```
}
```

```
class lab8
```

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

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

```
        int f, s;
```

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

f = sc.nextInt();
bs = sc.nextInt();
Son ob = new Son(f, bs);

}

}