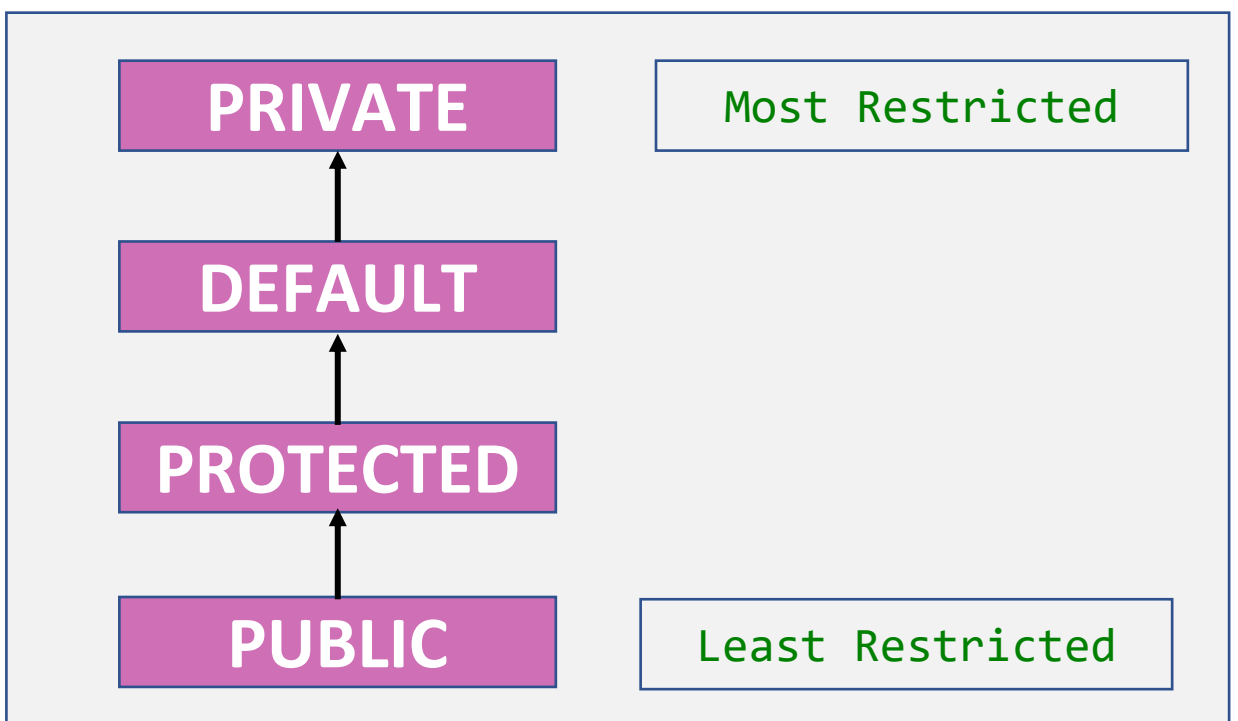


Java Concept 8

- More **restricted** access **can not** be Given to **Overridden** Methods in **Child** Class
- But , More **restricted** access **can be** Given to **Overloaded** Methods in **Child** Class
- To Make a method **default** **no key word** is used

```
1 //No Error , less restricted
2 class Parent
3 {
4     protected void fun()
5     {...}
8 }
9 class Child extends Parent
10 {
11     public void fun()
12     {...}
15 }
```

```
1 //Error , more restricted
2 class Parent
3 {
4     public void fun()
5     {...}
8 }
9 class Child extends Parent
10 {
11     protected void fun()
12     {...}
15 }
```



```

1 //Giving More restricted access to Overloaded
2 //Methods // No Error
3 class Parent {
4     public void fun_function()
5     {System.out.println("Inside Parent Class ");}
6 }
7 class Child extends Parent {
8     //Overloading fun_function
9     protected void fun_function(String x )
10    {System.out.println("Inside Child Class "+x);}
11 }
12 public class JavaConcept {
13     public static void main(String args[]) {
14         Child c = new Child();
15         c.fun_function();
16         c.fun_function("with variable x");
17     }
18 }

```

run:

Inside Parent Class

Inside Child Class with variable x

```

1 //Giving More restricted access to Overridden
2 //Methods // Error
3 class Parent {
4     public void fun_function()
5     {System.out.println("Inside Parent Class");}
6 }
7 class Child extends Parent {
8     //Overriding fun_function
9     protected void fun_function()
10    {System.out.println("Inside Child Class");}
11 }
12 public class JavaConcept {
13     public static void main(String args[]) {
14         Child c = new Child();
15         c.fun_function();
16     }
17 }

```

Error - fun_function() in javaconcept.Child cannot override fun_function() in javaconcept.Parent