

Access Modifier

	public	default	private	protected
class	Y	Y	N	N
Nested Class	Y	Y	Y	Y
Constructor	Y	Y	Y	Y
Method	Y	Y	Y	Y
Field	Y	Y	Y	Y

Public class →

All code can access public class, field, method or constructor, where it is located.

Default class →

Can be accessed by all other methods the code inside the class, ~~all~~

as well as code inside classes under same package.

	Sub-class	cannot	access	default
class	Y	Y	Y	
Private →	Y	Y	Y	Y
Code access	inside	same	class	only
	private	methods	or;	variable
Classes	can not	be	private	

* Protected →
 Same as default, with addition
 that sub-classes can access
 protected methods or variable

	public	default	private	protected
Same Class	Y	Y	Y	Y
Same Package sub-class	Y	Y	No	Y
Same Package non-sub-class	Y	Y	No	Y
Different Package sub-class	Y	No	No	Y
Different Package non-sub-class	Y	No	No	No