Access Level Modifiers in Java

- There are four access level modifiers:
 - 1. public
 - 2. 'default' ("package" or "friendly")
 - 3. protected
 - 4. private

Note: Within a project, all classes are considered to be in the same package (i.e. anything not imported is together in the "default package").

- Each class can either be "public", meaning anyone can create one instance of it, or "friendly", meaning it can be instantiated only by methods of classes in the package.
- Any of the 4 access level modifiers can be chosen for any instance variable (data

member), *method*, or *class variable* (static variable). The table on the right summarises what they imply:

Access is available to:	public	protected	default	private
All classes	yes	no	no	no
All subclasses	yes	yes	no	no
Classes in the same package	yes	yes	yes	no
Class itself	yes	yes	yes	yes

