## Java Access Modifiers :-

In Java, there are four access modifiers that determine the accessibility of classes, methods, and variables:

* **Public**: When a Class, Method or Variable is Declared as a **Public**, it can be accessed from anywhere(Globally), both within the same package and from outside of the Package also can’t be accessed.
* **Private**: When a Class, Method or Variable is Declared as **Private**, it can only be accessed within the same class. Other classes, even those in the same package, cannot access it.
* **Default**: If the Variable, Method or Class with no access modifier (also known as **Default**) can only be accessed by classes within the same package and but not out from the other Packages.
* **Protected: When a Class is marked as **Protected**, it can be accessed within the same class, by sub-classes (in the same or different Package), and by other classes in the same package.**

***In Simple terms :***

**1.) *Public*: Access from anywhere(Globally)..**

**2.) *Private*: Access only within the same class.**

**3.) *Protected*: Accessible within the same class, by sub-classes, and within the same package.**

**4.) *Default*: Accessible within the same package, but not from outside.**