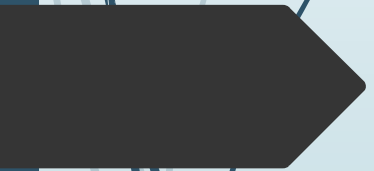


Access Modifier

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➤ Java modifiers:-

- public
- private
- protected
- <default>
- final
- static
- abstract

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- Class Level modifiers
 - Member level modifiers

1. Class Level modifiers :-

(public , default, final,abstract- applicable for outer class)

(public,private,protected , default, final,abstract- applicable for inner class)




➤ **final modifier** - this modifier is applicable for classes , methods and variables.

- final method
- final class
- final variable (instance,static,local)

➤ **abstract modifier** - this modifier is applicable for classes , methods but not for variables.

- abstract method
- abstract class



➤ **static modifier** - this modifier is applicable for variables, methods but not for classes.


- static method
- static variable

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2. Member Level modifiers :-

- **default members**-If a member declared as default then we can access that member only with in the same package (any other package can't access that mam)
- **private members**- if a member is private then we can access that member only with in the same class (from outside of we can't access)
- **protected members**- If a member declared as protected then we can access that member anywhere with in the same package but only in child class of outside package

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- **Public members**-If a member declared as public then we can access that member from anywhere but the corresponding class should be public also(then only access)

NOTE- The most restricted access modifier is private and the most accessible modifier is public
[private<default<protected<public]

- For method (public)
- For data member/variable(private)



Visibility	private	default	protected	public
With in the class	Yes	yes	yes	yes
From child class of same package	No	yes	yes	yes
From non-child class of same package	No	yes	yes	yes
From child class of outside package	No	No	Yes(we use child)	yes
From non-child class of outside package	No	No	No	yes



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THANK YOU