

③ Encapsulation

↳ binding all the data members and functions together in a class.

→ wrapping everything inside class.

④ Abstraction

↳ hiding all the unnecessary details and showing only the required part

→ Abstract class → Interface

Access Modifiers / Specifiers

↳ Specifies access / permission

① Public

② Protected

③ Default

④ Private

	class	Package	Sub class in same pack	Sub class in diff package	Anywhere
Public	✓	✓	✓	✓	✓
Protected	✓	✓	✓	✓	
Default	✓	✓	✓		
Private	✓				

Abstract classes and interfaces



Abstract method

↳ don't have body / definition

Syntax

```
abstract void sum(int a, int b);
```

Any class having 1 or more abstract method need to be made abstract;

→ Can't create an object

Interface

↳ multiple inheritance

↳ achieving abstraction

Syntax

class → extends

```
interface Vehicle { → implements
```

```
    int getSpeed();
```

```
}
```

→ Every method is abstract and public

→ Can't create object. Only reference can be created

→ data members / variables will be → static
final
public

→ multiple inheritance

