| Abstract Factory | Adapter | Bridge | Composite | Factory Method | | |
|---|---|--|---|---|--|--|
| Implement abstraction and interfaces to know what are you working with | How to implement a converter using abstraction and interfaces | How to segregate your interfaces and abstraction therefore it's easier to make modifications | How to implement your abstraction and interfaces like a Tree model | Decoupled your codes by implementing interfaces and abstraction | | |
| Decorator | Singleton | Builder | Prototype | Facade | Flyweight | Proxy |
| How to make changes to your class by wrapping them inside a decorator | How to have a global but one instance of objects | Reduce your constructor parameter using multiple functions inside the class on the same instance | Instead of letting cloning happen outside the class bring it inside using a method like clone and then return a fresh copy of the class | Create a class to handle all the methods that are required to be run | Memoization using classes and abstraction | Use abstraction and interfaces as a middleware to control access |
| | | | | | | |
| Command | Chain of Responsibility | Iterator | Mediator | Observer | Memento | Strategy |
| State | Visitor | Template method | | | | |