LAKSHMAN\_JAVA\_IT\_SCHOOL

Design Patterns Course Content

# Introduction Behavioral Patterns

1. **Introduction to Design Patterns**
2. **Need of Design Patterns**
3. **Design Patterns Classification**
   1. Creational Patterns
   2. Structural Patterns
   3. Behavioral Patterns

# Creational Patterns

1. **Factory Method Pattern**
2. **Abstract Factory Pattern**
3. **Singleton Pattern**
4. **Prototype Pattern**
5. **Builder Pattern**

# Structural Patterns

1. **Adapter Pattern**
2. **Bridge Pattern**
3. **Composite Pattern**
4. **Decorator Pattern**
5. **Flyweight Pattern**
6. **Proxy Patterns**
7. **Chain of Responsibility Pattern**
8. **Command Pattern**
9. **Interpreter Pattern**
10. **Iterator Pattern**
11. **Mediator Pattern**
12. **Memento Pattern**
13. **Observer Pattern**
14. **State Pattern**
15. **Strategy Pattern**
16. **Template Pattern**
17. **Visitor Patterns**

# J2EE Patterns

Presentation Layer Design Patterns

1. **Intercepting Filter Pattern**
2. **Front Controller Pattern**
3. **View Helper Pattern**
4. **Composite View Pattern Business Layer Design Patterns**
5. **Business Delegate Pattern**
6. **Service Locator Pattern**
7. **Session Facade Pattern**
8. **Transfer Object Pattern**
9. **Data Access Object Pattern**
10. **Web Service Broker Pattern**