LAKSHMAN_JAVA_IT_SCHOOL

Design Patterns Course Content

Introduction

1. **Introduction to Design Patterns**
2. **Need of Design Patterns**
3. **Design Patterns Classification**
   a) Creational Patterns
   b) Structural Patterns
   c) 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**

Behavioral Patterns

1. **Chain of Responsibility Pattern**
2. **Command Pattern**
3. **Interpreter Pattern**
4. **Iterator Pattern**
5. **Mediator Pattern**
6. **Memento Pattern**
7. **Observer Pattern**
8. **State Pattern**
9. **Strategy Pattern**
10. **Template Pattern**
11. **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

1. **Business Delegate Pattern**
2. **Service Locator Pattern**
3. **Session Facade Pattern**
4. **Transfer Object Pattern**
5. **Data Access Object Pattern**
6. **Web Service Broker Pattern**