

Design Pattern course content

Pre requisite: Core Java

- What Is a Design Pattern?
- How Design Patterns Solve Design Problems ?
- How to Select a Design Pattern ?
- How to Use a Design Pattern ?
- What are the different Type of Design Patterns ?

Creational Patterns

- Singleton
- Abstract Factory
- Builder
- Factory Method
- Prototype

Structural Patterns

- Adapter
- Bridge
- Composite
- Decorator
- Façade
- Flyweight
- Proxy

Behavioral Patterns

- Chain of Responsibility
- Command
- Interpreter
- Iterator
- Mediator
- Memento
- Observer
- State
- Strategy
- Template Method

Micro Service Design Patterns

- API Gateway
- Saga Pattern
- Database per service
- Distributed Tracing
- Circuit Breaker
- Service Discovery Pattern

SOLID Design Principles overview

S-> Single responsibility

O->open closed principle- open for extension and closed for modification

L-> Liskov Substitution

I-> Interface segregation

D->Dependency injection

Duration of the course: 45 Days