Mindluster Platform

About the course Design pattern catalog for beginners

Course Presenter : Trouble Free

Unlock the fundamentals of programming design patterns with this comprehensive online course tailored for beginners. This training course provides a solid foundation in essential design principles, enabling aspiring developers in the Middle East, including Saudi Arabia and the UAE, to enhance their professional skills and accelerate their career growth. Whether you're starting your journey in software development or seeking to deepen your understanding of programming best practices, this certified course offers valuable insights into creating maintainable and scalable code. What you will learn: - The core principles and types of design patterns used in programming - How to identify suitable design patterns for different development scenarios - Practical implementation of common design patterns such as Singleton, Factory, Observer, and more - Best practices for writing clean, efficient, and reusable code - Strategies to integrate design patterns into real-world projects - Techniques to improve software architecture and design communication This course is ideal for: - Aspiring software developers and programmers seeking to strengthen their professional skills - Junior developers looking to expand their knowledge of software design principles - IT professionals aiming to improve their software development methodologies - Anyone interested in learning foundational design patterns to boost career prospects Why choose this course on our platform: - Expert-led training with proven industry standards - Flexible online format designed for busy professionals in the Middle East - Interactive lessons and practical exercises to reinforce learning - Recognized certification to showcase your programming expertise - Access to a supportive learning community and ongoing updates Career opportunities: Completing this certified course opens doors to roles such as software developer, application programmer, software engineer, and technical analyst. It provides a competitive edge in the job market, especially within the rapidly growing tech sectors across Saudi Arabia, UAE, and the broader Middle East. Strengthening your understanding of design patterns directly contributes to your ability to deliver high-quality, scalable software solutions. Upon finishing the course, you will receive a professional certificate that validates your skills and knowledge in programming design patterns, supporting your continued career growth and development in the technology industry. Trouble Free

Programming Category's Courses

Course Lesson(35)

Lesson 1 :
1 Introduction to Design Patterns Common Problems Benefits Of Design Pattern Types DP

Lesson 2 : **2 MVC In Design Patterns Model View Controller Applications in Design Patterns DP**

Lesson 3 :
3 Describing Design Patterns What all Should Be Specified while defining a Design Pattern DP

Lesson 4 : **4 Design Pattern Catalog Organising the Design Patterns DP**

Lesson 5 :
5 How Design Patterns will solve our Design Problems Different Design Patterns and Solutions DP

Lesson 6 : **6 How To Select Design Patterns DP**

Lesson 7 : **7 How to Use A Design Pattern DP**

Lesson 8 : **8 Design Problems in LEXI Document Editor Part 1 Document Structure DP**

Lesson 9 : **10 Introduction To Creational Patterns Definition List Of Patterns DP**

Lesson 10 : **9 Design Problems in LEXI Document Editor Part 2 Remaining Problems DP**

Lesson 11 : **11 Abstract Factory Design Pattern Creational Pattern DP**

Lesson 12 : **12 Builder Design Pattern Creational Patterns DP**

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Lesson 14 : **14 Prototype Design Pattern Creational Patterns DP**

Lesson 15 : **15 Singleton Design Pattern Creational Patterns DP**

Lesson 16 : **16 Introduction To Structural Patterns Definition List Of Patterns DP**

Lesson 17 : **17 Adapter Design Pattern Structural Patterns DP**

Lesson 18 : **18 Bridge Design Pattern Structural Patterns DP**

Lesson 19 : **19 Composite Design Pattern Structural Patterns DP**

Lesson 20 : **20 Decorator Design Pattern Structural Patterns DP**

Lesson 21 : **21 Facade Design Pattern Structural Patterns DP**

Lesson 22 : **22 Flyweight Design Pattern Structural Patterns DP**

Lesson 23 : **23 Proxy Design Pattern Structural Patterns DP**

Lesson 24 : **24 Introduction To Behavioural Patterns Definition List Of Patterns DP**

Lesson 25 : **25 Chain Of Responsibility Design Pattern Behavioural Patterns DP**

Lesson 26 : **26 Command Design Pattern Behavioural Patterns DP**

Lesson 27 : **27 Iterator Design Pattern Behavioural Patterns DP**

Lesson 28 : **28 Interpreter Design Pattern Behavioural Patterns DP**

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Lesson 31 : **31 Observer Design Pattern Behavioural Patterns DP**

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Lesson 33 : **33 Strategy Design Pattern Behavioural Patterns DP**

Lesson 34 : **35 Visitor Design Pattern Behavioural Patterns DP**

Lesson 35 : **34 Template Design Pattern Behavioural Patterns DP**

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