

Detailed notes for Backend LLD 1 Module

Class Title	Notes link
OOP-1: Intro to LLD and OOP	https://github.com/kanmaytacker/fundamentals/blob/sq1-march-2023/oop/notes/01-oop-introduction.md
OOP-2: Access Modifiers and Constructors	https://github.com/kanmaytacker/fundamentals/blob/sq1-march-2023/oop/notes/02-access-modifiers-constructors.md
OOP-3: Inheritance and Polymorphism	https://github.com/kanmaytacker/fundamentals/blob/sq1-march-2023/oop/notes/03-inheritance-polymorphism.md
OOP-4: Interfaces, Abstract Classes, Composition, Association	https://github.com/kanmaytacker/fundamentals/blob/sq1-march-2023/oop/notes/05-interfaces-abstract.md
Concurrency-1: Introduction to Processes and Threads	https://github.com/kanmaytacker/fundamentals/blob/sq1-march-2023/os/notes/01-os-primer.md
Concurrency-2: Executors and Callables	https://github.com/kanmaytacker/fundamentals/blob/sq1-march-2023/os/notes/threads-consolidated.md
Concurrency-3: Introduction to Synchronization	https://github.com/kanmaytacker/fundamentals/blob/sq1-march-2023/os/notes/04-synchronisation.md
Concurrency-4: Synchronization with Semaphores	https://github.com/kanmaytacker/fundamentals/blob/sq1-march-2023/os/notes/03-thread-synchronisation.md
Java Advanced Concepts - 1 [Collections & Generics]	https://github.com/kanmaytacker/fundamentals/blob/sq1-march-2023/oop/notes/07-collections-generics.md
Java Advanced Concepts - 2 [Exception Handling, Reflection, Annotation]	https://github.com/kanmaytacker/fundamentals/blob/2023/august/advanced/advanced-concepts/notes/04-exceptions-annotations.md
Java Interview Questions	https://github.com/kanmaytacker/fundamentals/blob/sq1-march-2023/oop/notes/10-interview-questions.md

Revision video for Backend LLD 1 Module

Topics	Video link
OOPs: Modifiers, Constructor, Inheritance, Polymorphism, Interface, Abstract Classes, Composition, Association	https://drive.google.com/file/d/1yFRLPJyNrSjxl3JzMVempMAc5Xnw1ULD/view?usp=sharing
Concurrency: Processes, Threads, Executor, Callables, Synchronization and Semaphores	https://drive.google.com/file/d/1GVrT6oR8Ghdo3Got3IT66nbUJV_je1jl/view?usp=sharing

Advanced Java: Collection, Generic, Expectation, Handling, Reflection, Annotation	https://drive.google.com/file/d/1Q6ti2TJdQm4sODIL8ezmwL CxfANi60jA/view?usp=sharing
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Detailed notes for Backend LLD 2 Module

Class Title	Notes link
Backend LLD: SOLID-1: SRP and OCP	https://github.com/kanmaytacker/fundamentals/blob/master/oop/notes/04-solid-01.md
Backend LLD: SOLID-2: Liskov's, Interface Segregation, Dependency Inversion	https://github.com/kanmaytacker/fundamentals/blob/master/oop/notes/05-solid-02.md
Backend LLD: Design Patterns: Introduction and Singleton	https://github.com/kanmaytacker/design-patterns/blob/master/notes/01-singleton-builder.md
Backend LLD: Design Patterns: Builder	https://github.com/kanmaytacker/design-patterns/blob/master/notes/01-singleton-builder.md
Backend LLD: Design Patterns: Prototype and Registry	https://github.com/kanmaytacker/design-patterns/blob/master/notes/02-prototype-factory.md
Backend LLD: Design Patterns: Factory	https://github.com/kanmaytacker/design-patterns/blob/master/notes/03-factory.md
Backend LLD: Design Patterns: Adapter and Facade Design Pattern	https://github.com/kanmaytacker/design-patterns/blob/master/notes/04-abstract-factory-adapter.md https://github.com/kanmaytacker/design-patterns/blob/master/notes/07-facade-observer.md
Backend LLD: Design Patterns: Decorator and Flyweight Design Pattern	https://github.com/kanmaytacker/design-patterns/blob/master/notes/05-adapter-flyweight.md https://github.com/kanmaytacker/design-patterns/blob/master/notes/06-decorator-facade.md
Backend LLD & Projects: Design Patterns: Behavioural Design Pattern	https://github.com/kanmaytacker/design-patterns/blob/master/notes/08-observer-strategy.md
Backend LLD: Design Patterns: UML Diagrams	https://github.com/kanmaytacker/design-questions/blob/master/notes/00-uml-diagrams.md

Detailed notes for Backend LLD 3 Module

Class Title	Notes link
Backend LLD: Machine Coding - 2: Design TicTacToe	https://github.com/kanmaytacker/design-questions/blob/master/notes/02-design-tic-tac-toe-in-class.md
Backend LLD: Machine Coding - 6: Design Parking Lot	https://github.com/kanmaytacker/design-questions/blob/master/notes/04-design-a-parking-lot-answers.md
Backend LLD: Machine Coding - 9: Design BookMyShow	https://github.com/kanmaytacker/design-questions/blob/master/notes/06-design-book-my-show.md

Backend LLD: Machine Coding - 13: Design Splitwise	https://github.com/kanmaytacker/design-questions/blob/master/notes/07-design-splitwise.md
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