### ☕ \*\*Core Java\*\*  
  
\* Java 8 Features (Lambdas, Streams, Functional Interfaces)  
\* Streams API — map, filter, reduce, collect  
\* Immutable Class — how to create & advantages  
\* Marker Interface — what it is & use cases  
\* HashSet / HashMap — internal working  
\* HashSet / HashMap vs LinkedHashSet / LinkedHashMap  
\* HashTable vs ConcurrentHashMap  
\* Custom Exception — how to create & handle exceptions  
\* `volatile` vs `Atomic` variables  
\* Thread — creation methods & lifecycle  
\* ThreadPool & ExecutorService  
\* Identifying & resolving Java memory leaks  
\* `@Synchronized` vs `@Async`  
\* `CompletableFuture` — async programming in Java  
\* annotations like @qualifier, @Value, @transactional, @component, @primery, @configuration   
  
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### 🌱 \*\*Spring & Spring Boot\*\*  
  
\* Bean Scopes — singleton, prototype, request, session  
\* IOC Container & Dependency Injection (types: constructor, setter, field)  
\* Spring Profiles — environment-specific configs  
\* Exception Handling — `@ExceptionHandler`, `@ControllerAdvice`  
\* CRUD & JPA Repositories — differences & usage  
\* `RestTemplate` usage  
\* JWT & Auth Token — implementation & flow  
\* \*\*DB Configuration — how to configure multiple databases in Spring Boot\*\*  
  
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### ⚙️ \*\*Microservices\*\*  
  
\* Microservice Architecture — benefits & challenges vs Monolith  
\* Saga Pattern — managing distributed transactions  
\* Circuit Breaker Pattern — resilience design  
\* Microservice Deployment Types — e.g., Docker, Kubernetes