Java general

LEVEL	TOPIC	NOTES	LINKS
Basic	JRE vs JDK	Šta uključuje jdk?	Geeksforgeeks
Basic	Just in time compiler	osnovno	
Basic	Operatori	*Arithmetic*(*Addition* , *Subtraction*, *Multiplication*, *Division*, *Modulus*) Unary (*Increment/Decrement*), Relational(*==, <, !=, <=*),*Logical* (&&, ||, !), Bitwise, Shift, *Assignment,Ternary*	Geeksforgeeks
Basic	OO principi u javi	Na koji način se primenjuju, objasniti na primerima	Geeksforgeeks
Basic	Override		Geeksforgeeks
Basic	Method Overloading		Geeksforgeeks
Basic	Modifikatori pristupa		Geeksforgeeks
Basic	Tipovi Podataka	prosti, složeni	Geeksforgeeks
Basic	Wrapper klase	Autoboxing, Unboxing	Geeksforgeeks
Basic	Managed vs Unmanaged Resources	unamanaged: otvoreni fajlovi, otvorene konekcije, unmanged memory	
Basic	static		Geeksforgeeks
Basic	final	varijabla, metoda, klasa	Geeksforgeeks
Basic	Petlje	for(for each), while, do while	Geeksforgeeks
Basic	Switch		Geeksforgeeks
Basic	Kolekcije	**Interfaces:***CollectionListSetMapSorted Set*Sorted Map*Queue***Classes:Lists:***Array List*Vector*Linked List***Sets:***Hash set*Linked Hash SetTree Set**Maps:***Hash Map*Hash Table*TreeMap*Linked Hashed Map**Queue:**Priority Queue	Geeksforgeeks
Basic	Refleksija	Šta je? Na koji način je moguće poslužiti se refleksijom u Javi?	
Basic	Abstract class vs Interface		
Basic	Poredjenje	'==', 'equals'	Geeksforgeeks
Basic	Rad sa stringovima	karakteristike, rad sa stringovima, StringBuilder, Java String Pool	Geeksforgeeks Geeks
Basic	Closeable, Autocloseable	try with resources	Geeksforgeeks
Basic	Sinhronizacija	pros/cons, koji problem rešavamo sa tzv lockovanjem?	
Basic	Serijalizacija/Deserijalizacija		Geeksforgeeks
Medium	Multithreading	dati primere nekih funkcionalnosti	
Medium	Exception handling	exception, tipovi, na koji način se koriste? *@ControllerAdvice*	GeeksforgeeksBaeldu
Medium	Generics		
Medium	Konkurentne kolekcije	*ConcurrentHashMap*, CopyOnWriteArrayList, CopyOnWriteArraySet BlockingQueue	
Medium	Servleti	osnovno	Geeksforgeeks
Advanced	JDBC	osnovno	
Advanced	StreamAPI	tipovi operacija, osnovne funkcionalnostiintermediate, terminal operationsCollector,groupingBy,da li se ordering ulazne kolekcije čuva u novoj kolekciji koja nastaje kao rezultat operacije?	Baeldunghttps://www v=VNovNwHr9jY&t=1 Deepcloudlabs, Geek
Advanced	Funkcionalni interfejsi	šta su, koji su najprimenjeniji, Comparator(sortiranje), Predicate(Filtriranje), Function	BaeldungGeeksforge
Medium	Optional	Šta je, chaining funkcije	Geeksforgeeks
Advanced	Lambda Expressions	Šta su, kako se primenjuju sa StreamAPI	Baeldunghttps://www v=OYPAzJ_x0s/Geek

Advanced	Creational Design Patterns	*Factory*, Abstract Factory, *Singleton*, Prototype, *Builder*	GeeksforgeeksGeeks
Advanced	Structural Design Patterns	*Adapter*, Bridge, Composite, Decorator, Facade, Flyweight, Proxy	
Advanced	Behavioral Design Patterns	Chain Of Responsibility, *Command*, Interpreter, Iterator, Mediator, Memento, Observer, State, *Strategy*, Template, Visitor	Geeksforgeeks, Geek
Basic	***Static Factory pattern***	Static factory vs constructor	Baeldung
Basic	JAVA CONCURRENCY	kurikulum	Baeldung
Basic	Overview of the java.util.concurrent	Most useful utilities from java.util.concurent:- ***Executor, ExecutorService,***ScheduledExecutorService,***Future,******ThreadFactory***	Baeldung
Basic	Synchronized Keyword in Java	We can use the synchronized keyword on different levels: **Instance methods, Static methods, Code blocks**	Baeldung
Basic	Volatile Keyword in Java		Baeldung
Basic	java.util.concurrent.Future		Baeldung
Basic	ThreadLocal in Java		Baeldung
Basic	Life Cycle of a Thread in Java		Baeldung
Basic	How to Kill a Java Thread		Baeldung
Basic	Introduction to Thread Pools in Java		Baeldung
Basic	Implementing a Runnable vs Extending a Thread		Baeldung
Basic	wait and notify() Methods in Java		Baeldung
Basic	Runnable vs. Callable in Java		Baeldung
Basic	The Thread.join() Method in Java		Baeldung
Basic	Asynchronous Programming in Java		Baeldung
Basic	Daemon Threads in Java		Baeldung
Advanced	ThreadPoolTaskExecutor corePoolSize vs. maxPoolSize		Baeldung
Advanced	CompletableFuture	- Using CompletableFuture as a Simple Future- CompletableFuture with Encapsulated Computation Logic- Processing Results of Asynchronous Computations : ***thenApply, thenAccept , thenRun*** - Combining Futures : ***thenCompose , thenCombine, thenAcceptBoth***- ***thenApply()*** VS ***thenCompose()***- Running Multiple Futures in Parallel : ***CompletableFuture.allOf*** (), ***CompletableFuture.join()*** - Handling Errors- Async Methods : Most methods of the fluent API in the CompletableFuture class have two additional variants with the Async postfix.	Geeksforgeeks, Geek
Advanced	Java ExecutorService		Baeldung