Topics	Estimations	Items	Details/Description	References

Advanced Java	32	Generics and Collections	- Hireachy of Collection
			- Contract between hashCode, equals, and toString methods from collections
			- Difference Between
			   ArrayList Vs Vector
			   HashSet and HashMap
			   Comparator vs Comparable
			   Collectios Vs Collection
			- Why Map is not the part of collections?
			- Difference between Fail Fast and Fail Safe?
			- What is Iterator?
			- Difference Between Enumeration Vs Iterator vs ListIterator
			- Benefit of Generics in Collections Framework
			- How does resizing work in collections? what are its overheads?
				Collections:
				https://www.baeldung.com/java-collections-interview-questions
				
				https://www.journaldev.com/1330/java-collections-interview-questions-and-answers
				
				https://www.baeldung.com/java-collections
				
				https://www.baeldung.com/category/java/tag/java-set/
				
				https://www.baeldung.com/category/java/tag/java-map/
				.

	16	Multi Threading / Concurrency	- Thread Life Cycle - Wait Vs Sleep, Notify vs NotifyAll - Fork and Join - Race Condition - DeadLock - Thread.start() vs Thread.run() - Thread Priorities - Types of ways to implement threading - Synchronized [Threading]	**Concurrency and Multi threading:** http://tutorials.jenkov.com/java-concurrency/index.html https://www.studytonight.com/java/multithreading-in-java.php# . https://www.vogella.com/tutorials/JavaConcurrency/article.html https://www.baeldung.com/category/java/tag/java-concurrency

	16	I/O Fundamentals	[java.io package]
			  - BufferedReader
			  - BufferedWriter
			  - File
			  - FileReader
			  - FileWriter
			  - FileInputStream
			  - FileOutputStream
			  - ObjectOutputStream
			  - ObjectInputStream
			  - PrintWriter
				IO package:
				https://www.geeksforgeeks.org/java-io-packag/
				
				https://www.baeldung.com/java-io

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