**Java Basics:**

1. Java exceptions :: https://www.baeldung.com/java-exceptions

2. Java 8, Stream API , Date and Time in Java 8 ,lamda api, Lambda Expressions , Functional Interfaces :: https://www.tutorialspoint.com/java8/java8\_overview

3. filter, map, reduce :: https://www.geeksforgeeks.org/stream-in-java/

4. collection

5. multithreading :: https://winterbe.com/posts/2015/04/07/java8-concurrency-tutorial-thread-executor-examples/

6. Collection vs Stream :: https://javaconceptoftheday.com/collections-and-streams-in-java/

7. Linkedlist and arraylist :: https://jrebel.com/rebellabs/java-collections-cheat-sheet/

8. What is functional interface :: https://www.baeldung.com/java-8-functional-interfaces

9. Overload and override

10. Hashtable and hashmap :: http://net-informations.com/java/cjava/hashmap.htm

11. different types of map in java, their differences :: https://dzone.com/articles/hashmap-vs-treemap-vs

12. Is hashmap thread safe? :: https://codepumpkin.com/hashtable-vs-synchronizedmap-vs-concurrenthashmap/

13. Issues when hashmap is used in multi threading situations?

14. Memory leaks in java :: https://www.baeldung.com/java-memory-leaks

15. Did you implement Java 8 features in your project? How?

19. Difference between functional interface and normal interface, When to use them :: https://www.geeksforgeeks.org/functional-interfaces-java/

20. Use Java8, given a String which contains ìsamsî , replace with ëwalmartí, case insentitive.

Like S = ìsams abbdd SAM dd sam.. jj ..sam beî

21. Inheritance in Generic Classes ::: https://javaconceptoftheday.com/generics-and-their-inheritance/

22. How the memory is allocated inside JVM. :: https://www.guru99.com/java-stack-heap.html

23. show how java generics are used to dynamically set the objects. :: https://blog.frankel.ch/dynamic-casting-java/

24. Given a string "This sia eclipse random Eclipse ecliPse not a valid ECLIPSE sdfdsf sdfd", count the number of variations of the word "eclipse" in the string using Java 8 Then count the number of occurrence of each variation, and store them in a map

25. what are the new features introduced in Java 8 about concurrency, parallel programming

Answer :: concurrency: concurrentHashMap

parallel: parallelStream

What are the advantages of Stream A

https://stackoverflow.com/questions/44180101/in-java-what-are-the-advantages-of-streams-over-loops

Streams are a more declarative style.

Streams have a strong affinity with functions.

Streams encourage less mutability.

Streams encourage loose coupling.

Streams can succinctly express quite sophisticated behaviour.

Streams provide scope for future efficiency gains.

26. string a =new String("string") and string b= "string" what is the difference, which one is better :: https://www.geeksforgeeks.org/string-initialization-java-string-literal-vs-string-object/

27. Explain Garbage Collection in Java 8 :: https://www.baeldung.com/jvm-garbage-collectors

28. Compare Loops and Stream , Which is better , In which situations we should use Loop and Where Stream. ::

29. Java heapdump stack and GC generations :: https://dzone.com/articles/java-heap-dump-analyzer-1

30. Different kinds of thread pools in java :: https://www.baeldung.com/thread-pool-java-and-guava

31. Java object status(ready, terminated, running )