===========TCS Lead Engineer (8 Years of exp)===========================

1. Explain the scenario where you need to use AWS?
2. In Java 8 what is CompletableFuture?
3. How CompletableFuture is different from Future which we use in multithreading?
4. In Java 8 functional interfaces what’s the use of default and static methods?
5. Explain the scenario where you must use FlatMap?
6. Method names of sequential streams and parallel streams?
7. In Java 8 interface, is there a risk of diamond problem because of default methods?
8. What is Lambda expression?
9. What’s the use of method references?
10. SOLID design principles with examples
11. What is the objective of Garbage collection?
12. Why synchronization is necessary in multithreading?
13. Lock on object vs lock on class
14. How many ways we can break the singleton pattern?
15. What is TreeMap? And internal sorting algorithm?
16. Equals and HashCode methods of HashMap
17. What is Executor framework?
18. How to make the class immutable?
19. Difference between deep copy and shallow copy?
20. What’s the use of the clone method? Why do we have to use it?
21. How to configure JPA?
22. Can we write custom query in JPA?
23. What are profiles in REST?
24. What is query hint?
25. How to make your own annotation?
26. What are the list of attributes we have in annotation?
27. How to create a custom actuator?
28. Can you explain SpringBootApplication annotation?