Core JAVA important question

1. Explain Oops concepts?
2. Difference between checked and unchecked Exception?
3. What is the super class of all the classes in java and explain all the methods of objects class?
4. What is the difference between throw and throws keywords in java?
5. Why String is immutable in java?
6. what is difference between operator and equals() method?
7. What is difference between jdk jre and jvm?
8. Explain Jvm Archeticture?
9. What is difference between Error and Exception?
10. What is difference final finally and fanilized() in java?
11. what is Thread and how many ways to create Thread in java?
12. Explain custom Exception and how to create custom Exception in java?
13. Explain Serialization in java?
14. What is Transient keyword?
15. Explain life cycle of Thread?
16. Explain java 8 Features(optional class, Stream Api, functional interface, Default keyword, lambdas expression)
17. Explain predicate, supplier, consumer and Function Functional interface?
18. What is difference between Abstract class and Interface in java?
19. Explain Method overloading and method overriding in java?
20. Difference between map and flatMap?
21. difference between Array and Arraylist?
22. difference between Arraylist and LinkedList?
23. difference between HashTable and HashMap?
24. difference between concurrentHashMap and HashMap?
25. Contracts between hashCode() and equals()?
26. Internal Working of HashMap?
27. difference between Comparator and Comparable?

28.difference between Vector and ArrayList?

29.Explain Static and Non-state method in java?

30.What is Access Modifier in java?

31.difference between wait and sleep method?

32.Explain try with resource?

33.Explain Constructor and its types?

34.difference between string StringBuffer and StringBuilder?

35.what is Thread Synchronization?

36.How can you differentiate between composition and aggregation?

37.Is it possible to create a custom functional interface in Java 8?

38.What is Singleton class?

Frequently asking coding question

1. Write a java code to reverse a string?
2. write a java code to sort an array and find second maximum number in an array?
3. write a java code to get the sum of all elements in an integer array?
4. Write a Java program to reverse a given string without using any built-in functions?
5. Write a Java Program to Remove Duplicate Elements in an Array?
6. Write a Java Program to Find First Non-Repeated Character in String?
7. Write a Java Program to Reverse Each Word of a String?
8. Write a Java Program to Swap Two Strings Without Using Third Variable?
9. Write a Java Program to Check Armstrong Number or not?
10. Write a Java program to check prime number or not?
11. Given a list of integers, find out all the numbers starting with 1 using Stream functions?
12. Given a list of integers, find the maximum value element present in it using Stream functions?
13. Given a list of integers, sort all the values present in it in descending order using Stream functions?
14. Write a program to print the count of each character in a String?(*imp)
15. Write a program to find min and max numbers in the array?
16. Write a java code to Check if two strings are anagrams or not?
17. Write a java code to Remove duplicate elements from a list using Java 8 streams?

SQL important question

1. what is difference between drop and truncate in sql?
2. what is join and explain its types also?
3. what is stored procedure?
4. what is index and difference between cluster index and non-cluster index?
5. explain primary key, foreign key, unique key in sql?
6. What is Trigger?
7. What are ACID properties?
8. What is SQL aggregation function?
9. write a sql query to find 2nd maximum salary from the table?
10. write a sql query to remove duplicate records from the table?
11. write a sql query to find top 10 maximum salary from the table?
12. Difference Between WHERE and HAVING Clause?
13. Write a query to find duplicate records from a table?
14. Write a query to fetch the third-highest salary from the table?

Spring Boot Interview question

1. What is a Spring Boot Actuator?
2. What is the difference between spring and Spring Boot?
3. What is the main difference between JPA and Hibernate?
4. What is @path Variable?
5. What is the use of profiles in Spring Boot?
6. How to handle exception in Spring Boot?
7. what is dependency injection and Explain different types of dependency injection?
8. What are the advantages of micro service?
9. Explain Spring MVC?
10. What is auto configuration in spring boot?
11. What is an IOC container?
12. What is the difference between @RestController and @Controller in Spring Boot?
13. What is an API gateway in microservices?
14. What are the HTTP methods that can be implemented in spring boot rest service?
15. What does the @SpringBootApplication annotation do internally?
16. What is Spring Bean?
17. What is the difference between Put and Patch in Spring Boot?
18. What is the difference between @PathVariable vs @RequestParam in Spring Boot?
19. How to Implement Security for Spring Boot Application?
20. What are the different scopes of Spring Beans?
21. What is Object-Relational Mapping?
22. What is the Difference between JPA and Hibernate?
23. What is the JPA Cascade Types?
24. What are the different types of entity mapping?

25. What is the Difference Between Hibernate Session get() and load() method?

26. what is caching in hibernate?

27. What is Spring security authentication and authorization?

28. What is PasswordEncoder?

29. What is JWT?

30. How to implement JWT Token?

1. Types of Inheritance java support?
2. Java 8 features
3. Can we have private variables in interface, Which version of Java support?
4. Why java has static and OR Default
5. How Exception handled? What will happen in basic flow? Different exception starting from base class? Hierarchy as well?
6. Abstract class?
7. What is finally block? what cases did you use it?
8. What are Starters in Spring boots?
9. Feature in Spring boot and Java 8, Spring boot?
10. What is @repository?
11. Sort Objects in Java based on % using streams?
12. What do you mean by profile? How will you invoke? What is the default key name?
13. Have you used http: method-Get and post-which one is not idempotent? and why?
14. Post and put difference?
15. What is left, right and full joint in SQL
16. Memory leaks in Java?
17. Which deployment tool used?
18. Elaborate on polymorphism and Inheritance (Types as well) concept in Java?
19. Concept of abstract class?
20. Static & default method in interfaces?
21. Stream API-Intermediate and terminal operators? Limit and skip? Differences
22. Synchronization?
23. What are starters?
24. HTTP Status course?

25. Different annotation used

26. What's @ value?

27. Different components available in microservices? Explain briefly about the components as well?

28. If there is any issue is microservices, how will you trouble shoot?

29. What is Splunk? Kinds of work done using the same

30. How will you check your log?

31. Advantages and Disadvantages of Microservices?

32. Worked on AWS? What kind of work did you do?

33. AWS-EBS? S3 difference?

34. Steps for deployment for Jenkins?

35. Docker, Git?

36. In SQL, what is group by Clause?

37. Truncate commands? Which one recoverable??

38. How do we cominunicate between microservices?

39. AWS-Key components?

40. Image and container-Difference?

41. How do you do Autoscaling AWS?

42. Advantages of Hibernate?

43. SQL-Left, right and full joint?

44. What is retrospective call in sprint??

45. Methods in collectors class?