1. Usage of final keyword in java

2.array vs arraylist in java

3.How to create custom key in hashmap?

4.what is the contract between hashcode and equals method?

5 Rest vs soap web services

6.how to test soap web services?

1> Decorator pattern with example

2> Which modules of spring have you worked on ?

3> How will you improve performance of a service layer method ?

4> Auto boxing and unboxing

5> How will you implement Comparator to sort Employee class which has emp id , name and salary . Sort using salary

6> How will you implement caching in a spring application ?

7> REST services ? What is produces and consumes attribute ?

8> What is BDD ? What is cucumber ? This he asked because I had written it in my resume

9> What all patterns have you used ?

10> ExecutorService ?

11> He asked if I was well versed in AngularJS

12> What are the exceptions that you ususally get when you implement REST ?

1. Java

a. Final keyword

b. Final method , Final variable

c. Singleton implementation in java

d. write a program to print values of array

e. write a program to print values of array in reverse

f query param and request param

gaccess modifiers

h. genrics

i. map in collections

j. oops concept

2 Spring

a. Spring framework

b. annotations in controllers

3 Angular

a. Basic framework of angular

b. angular module

c validation in angular

d. angular components

e. angular directives and pipes

f. ngmodel example

g. how to create directive

h. manipulate data before sending in request object.

i. mvc framework

4 what is bower gulp

5. Html5 new featues

6. Css3 features

7. Less vs sass

8. Webpack configuration

9. bootstrap

10. responsive pages

11. singleton design pattern

12. Difference b/w inheritance and composition

13. what is polymorphism

14 overriding and overloading

15. can we change the access specifier for overriding

16. return type in overriding and we change the return type in overriding

17. what is component

18 what are decorators

19. psuedocode for any type of sorting using builtin methods .

1. What is the architecture of your current project.
2. How is angular 2 different from angular 1. what are the benefits and how is app performance improved in angular 2?
3. Why do we use TypeScript(TS) in angular 2 over javaScript(JS) when TS ultimately compiles to JS?
4. How is angular performance improved with TS when TS ultimately compiles to JS?
5. How does angular 2 bootstrap, is bootstrapping same on web app and mobile app?
6. What is component and how does different components communicate?
7. what is router and what will happen if we use href in place of routerlink?
8. How does hashMap.put method work?
9. How do we implement hashCode and equal method(write on paper)
10. difference between working of hashMap, HashTable and ConcurrentHashMap in detail
11. Asked to write code for binary search, any sorting technique and linked list on paper.
12. how to sort and search Linked list efficiently without using collections utility.
13. different ways of autowiring.
14. how to validate properties of a bean the time of bean creation.
15. how will you get the object of applicationContext in spring controller.
16. why do we use hibernate.
17. Explain about hibernate transaction.
18. benefits of restfull Webservices.
19. OOPs Concept.
20. Callable Interface, Thread Pool.
21. What is LinkedHashSet.
22. What is ConcurrentHashMap.
23. How we can return an Object in JavaScript.
24. Difference between Spring IO and Spring Boot.
25. How we can Secure our Restful Webservice.
26. How we can convert our JSP into HTML.
27. What are the important tags in HTML5.
28. Difference between SOAP and Restful Webservice.
29. What is Digital Certificate.

1. What is Angular.

2. What is Overloading and Overriding and their scenarios.

3. Multithreading- difference between sleep() and wait().

4. Use of Synchronized Keyword and its scenarios.

5. Program on Sorting an Arraylist.

6. Program on Finding second highest no. from Arraylist.

7. What annotations we use in Restful Webservice.

8. How equals method work with object in java.

9. Design Patterns used in Java.

10. What is Proxy Pattern.

11. How Exception Handling works during Overriding.

1. How does hasmap internally work?

2. What is the need of string pool? can we make a customized pool?

3. What design patter does spring AOP use? Give example of AOP?

4. What is cyclic dependency in spring? how it could be resolved?

5. How does executor service internally work in Java Concurrency package?

6. what are the new features of Java 8? why were they introduced?

7. What is the difference between SOAP and REST?

8. what is difference between serializable and externizable interface?

9. Where will you use abstract class and where will you use interface?

**Senior Resource Questions**

Q1. Explain how do you prepare Functional Design Document?

Q2. What is the testing process did you followed in the project?

Q3. How did you build and deploy using Continuous Integration (Anthill) in your project?

Q4. Did you perform code coverage in Continuous Integration ?

Q5. Proxy, Interceptor design patterns

Q6. AOP is based on which design pattern?

Q7. What was the issue with Flex that you have to migrate to Angular?

Q8. How the deployments are done - ear, jars.

Q9. Why didn't you go for Spring batch or scheduler instead of Autosys?

Q10. What is SecureFx?

Q11. Questions on sonar and code coverage.

Q12. I have used HSQL in-memory db for junit testing in a project. What if the query syntax differs from Oracle?

Q13. How did you provide middle layer security? How the call from your rest service is identified (Whitelist).

Q14. Time taken for trade settlement. (T2)

Q15. Question on Option trades.

- What projects have you worked on ? I Stated last 4 projects worked

- Architecture of the application? Explain typical spring boot application architecture.

- Faced any Performance issues/handled. I stated for both angular and back end side with dump analysis.

- Asked how I will be calling another service ? I gave example of a SOAP service call.

- How would you securing your service , I gave examples for Authentication and SSL.

- Asked to implement a service, I gave REST Controller implementation.

- How would you call a rest API from a client ?

- How have you secured client call for services?

- What situation is an Angular promise used?  
- Did you work on Multi-threading ?  
  
- How was the first round?

- DIM application at WMC , explained about the application purpose. He asked for if I am still at WMC

- What are the services built and wht were REST services added?

- Why build a service rather a simple application client server application?

- Security implementation in the application ?

- How are the application build and deployed I gave example of Mule , EAR and JAR files for deployments. Also for angular gave options to export as zip and use npm install for installing modules.

- What design patterns have you used apart from Factory and Singleton, I gave template pattern.

- Asked have you specifically handled UI for Mobile vs desktop, i gave for Bootstrap and later he asked for REST service development for mobile and desktop separately.