1. What is Dependency Injection in Spring?
2. What are the different types of Dependency Injection?
3. Difference between Constructor and Setter injection
4. What is @Autowired annotation?
5. What is the difference between BeanFactory and ApplicationContext? Question 120: Explain the life-cycle of a Spring Bean Question 121: What are the different scopes of a Bean?
6. What is the Default scope of a bean?
7. What happens when we inject a prototype scope bean in a singleton scope bean?
8. How to inject a prototype scope bean in a singleton scope bean?
9. Explain Spring MVC flow
10. What is the difference between <context:annotation-config> and <context:component-scan>?
11. What is the difference between Spring and SpringBoot?
12. What is auto-configuration in SpringBoot?
13. What are SpringBoot starters?
14. What is @SpringBootApplication Annotation?
15. Where does a Spring Boot application start from?
16. How to remove certain classes from getting auto-configured in SpringBoot?
17. How to autowire a class which is in a package other than SpringBoot application class’s package or any of its sub-packages
18. What is application.properties file in a SpringBoot application?
19. How to configure the port number of a SpringBoot application?
20. Which jar builds our springboot application automatically whenever we change some code just like a node.js application?
21. What default embedded server is given in spring boot web starter and how we can change the default embedded server to the one of our choice?
22. Where should we put our html and javascript files in a spring boot application?
23. What are the different stereotype annotations?
24. Difference between @Component, @Controller, @Service, @Repository annotations?
25. Difference between @Controller and @RestController annotation
26. What is @RequestMapping and @RequestParam annotation
27. How to define a Get or Post endpoint?
28. Which annotation is used for binding the incoming json request to the defined pojo class?
29. What is @Qualifier annotation?
30. What is @Transactional annotation?
31. What is @ControllerAdvice annotation?
32. What is @Bean annotation?
33. Difference between @Component and @Bean
34. How to do profiling in a SpringBoot application
35. What is RestTemplate?
36. What is Spring Data JPA?
37. What is the difference between JPARepository, CRUDRepository, PagingAndSortingRepository and which one you have used in your applications?
38. What is Spring AOP?
39. Have you used Spring Security in your application
40. What do you know about Spring Batch framework?
41. Difference between SOAP and REST
42. What is Restful API?
43. What is a stateless object?
44. What is the difference between Web Server and Application Server?
45. What do you know about CommandLineRunner and ApplicationRunner?
46. What do you know about Eureka Naming Server?
47. What do you know about Zuul?
48. What do you know about Zipkin?
49. What do you know about Hysterix?
50. What is JPA?
51. What is Hibernate?
52. Difference between JPA and Hibernate
53. What is @Entity?
54. How to give a name to a table in JPA?
55. What is @Id, @GeneratedValue?
56. How to use a custom database sequence in Hibernate to generate primary key values?
57. How to give names to the columns of a JPA Entity
58. How to define a @OneToMany relationship between entities
59. Why annotations should be imported from JPA and not from Hibernate?
60. What is the difference between get() and load() method of Hibernate Session?
61. What is the difference between save(), saveOrUpdate() and persist() method of Hibernate Session?
62. What is Session and SessionFactory in Hibernate?
63. What is First Level and Second Level Cache in Hibernate?
64. What is session.flush() method in Hibernate?
65. How can we see the SQL query that gets generated by Hibernate?
66. What is Hibernate Dialect and why we need to configure it?
67. What do you know about hibernate.hbm2ddl.auto property in Hibernate?
68. What is the difference between a Monolith and Micro-service architecture?