**Topic wise question :**

**Spring :**

1. What is bean , Default scope & @qualifier
2. Given a program for @Qualifier and ask it will execute or not?
3. Dependency injection

Class A & class B ; class B want to access class A , how we can achive in spirng

1. Can its possilble bean id same with different classs
2. What does @ComponentScan ? how to work componetscan in spring
3. If two user make a request the how many object will create in controller? Scope of spring bean
4. How works servlet when we make a two or more request?S
5. Spring mvc life cycle & life cycle method
6. How to inject dependency based on condition ?
7. We have interface & 5 classs implementaiton is there & we used @autowired annoation then how to work spring container
8. DAO implementation ; how to implement DAO
9. Based on user how to produce xml or json response
10. Life cycle of bean , how to works internally give with example with proper code steps
11. What is @Componentscan
12. What is bean scope in spring ; when we are using prototype ; tell me project scenario
13. What is differnence between @ComponentScan and @Component
14. What all design pattern follow spring
15. What design patteren you know; wht is template design pattern , proxy design patteren, template design patteren , viewresolver patteren
16. Why spring boot ?What is difference between spring & spring boot
17. What all are inbuild container in spring boot
18. How to deploy war in production
19. What is actuator in spring boot? What is url for execute acutuator
20. What components you worked on spring boot
21. What is @service ,@Component,@Repository
22. How request flow is workng in spring
23. Which one is execte first filter or dispacter
24. What is difference between controller & restcontroller
25. How we can handle the excpetion in spring boot
26. What is ssl
27. What is conditionalproperty
28. Why we are using sping boot
29. What component provided by spring boot
30. Hwo to disable autoconfigration
31. What is starter
32. What is scop of bean , wht is defautl bean , which one is thread safe
33. Can we create same bean id , how we can create bean

**Microservice :**

1. What is eureka discover service ? done
2. What is microservice ? done
3. What is advvantage / disadvantage of microservice? done
4. What is zuul api gateway ?what does this ? done
5. How to work load balance. done
6. what is microservices components & architecture done
7. What is micorservice arithchture done
8. How to know zuul which serivce is called done
9. What is fault tourence in microservices done
10. How we can communicate between microservices
11. What is cofig server

**RESTAPI :**

1. What Is different type of RestAPI method
2. What is difference put & post?
3. What s put & patch
4. Post and get
5. REst full form
6. What is protocoll

**Hibernate/JPA :**

**Trancation / Security :**

1. How to implement TRANSACTION in distributed service?
2. Jdbc query returns a reocrd how to asign the recored to object , which package you will use &why
3. @Transaction , how to control transaction
4. What is flush() method

5.Tell below program will update the record or not , if not why

SessionFactory factory = configuration.buildSessionFactory();

Session session = factory.openSession();

Transaction tx = session.beginTransaction();

Student student = session.load(Student.class, 111);

student.setName("Johnson");

// add line

tx.commit();

session.close();

6.

**JAVA**

1. Memory management in java & java8?
2. Hashtable , hashmap , schronizationhashmap , schronization method
3. How to make immutable class & if we have Employess class as construtor parameter and employee class have getter & setter method both then how to make immutable
4. Internal architure of arraylist
5. We have list of records an how we can find the elements is present or not and how do we modify particular value.
6. Try with resource
7. What does Encapsulation . give any example , we are using setter method to set the data then how to prevent .
8. Why we are using interface ?
9. Class v{

Static{

System.out.print(“abc”);

}

Main(){

System.out.println(“main”);

}

}

What will be output ?

1. How to read the excel file ?
2. How you call the custom method using Java 8 steam?
3. You have list then how to map the list using stream?
4. What is method reference
5. How to make unmodified list ? you can not change / add into list
6. What is hashing collision
7. Haspmap internal implementation
8. What is difference between stream api & collection api
9. What is functional interface , why we are using functional interface
10. What is lambda expression & what is relation wtih functional interface
11. What is socketbreaker pattern
12. How to sort based on age and we have to student class
13. What is difference between comparable and compartaor
14. What is predicate
15. what is difference between haspmap & linkedhashpmap
16. When we use concurrenthash map; how many write operation & read operation you ca write in concurrent hash amp
17. Differecne between error & expection
18. OutofMemory exection
19. Do you know sorting techinqew >?? what is selection sort
20. Arithmetic Exception ,IOexception, and exection , give a sequence flow for catch bolck
21. { } then consturctor in class and which one Is execute first
22. Hashmap implemetation in java8
23. Why we are using char[] instead of string
24. Fail saf e& fail fast
25. What is threadlocal
26. Wait and sleep
27. How many constructor we have in wait
28. Use of serialization id
29. Interface and abstract in java8
30. Try with resource
31. Modular and class
32. What is polymorphism
33. What is virtual method
34. Create an arraylist in one line with five element nd sqaure teh element & sort the element & tale this eleemt in list
35. Take two dimension array & and find the element and print the row & column
36. What is static import
37. What is string , how to write immutable class
38. If you make a mutable obejct what will you use
39. Hwo to way to create string ? what is leteral & new operatioir
40. What is use of intern
41. What is string constant poo;l
42. What is exception & how we can write multiple catch bolck
43. What is new in collection
44. Hashcode & equal

**Programming**:

1. We have a string assigned value MANAGER ,we have to check duplicate with minimal time & complexity what you wil luse.
2. find the first non duplicate character from given string aaddggbhm with best approach & complexity
3. We have array = [13,9,5,1,14] sort the array using soring algorithm
4. We have list of integer {}1,2,3,4,5 and swap the first and second value to last (at the end)
5. Write a program to this is imput : THis is me

Em si sith

Emsi si ht

**SQL QUERY :**

1. Write a query count the state which salary greater than 100

**Angular :**

1. What is angular json
2. Way of communcate of component to component
3. In which file we have config for ES% and ES6
4. Life cycle of angualr
5. What is type script
6. What are the angular component
7. What is @input & @output
8. What is data binding & event binding
9. Why stream api
10. What is lambda expression &Why we use lanbda exprossion
11. What is intermidate & termial operation in java 8
12. What is difference between map & flatmap
13. What is collect class
14. What colleciton use when
15. What ablut hashmap & hashset implementation & what about size
16. What is arraylsit & linkedlist
17. What is outofmemory
18. Wht is differnce between thread dump & heapdump
19. Wha is tooll we use for angular heap dump
20. Static keyword for overrideing /overloadinng
21. What is innerjoin & left outjoin
22. How to find teh nth element from linkedlist
23. What is differecne between single linkedlist & double linkedlist
24. Hashtable & hashmap differecnce
25. Complexity of hashmap
26. How to work syncronized
27. Wha tis concurrenthashmap & complexity of that
28. What is differnce hashtable & concurrenthashmap : c0mpexity
29. Spring bean life cycle
30. We have one interface but two implementation are ,how will bean identify
31. Spring boot , how to change default server (servlet container) in spring boot
32. Hoberante transation : we have one parent which annotaied transaction and we have 5 method amd out of five ; first mehtod have insert the reocrd we want to insert the data without any failing what we will do
33. We have distictid , disticanme , conadite name and vote : wrtie a sql query to display top 3 caditate fo each distict ?

1.Immutable object

2.Adv of arraylist over arrays

3.Hwo does thread communcation with each other

4.Can you tell some of design patteren

5.Which patteren when we need to decouple an abstraction from its impletation

6.Different spring boot components

7.Hwo to obtain array form an arraylsit

1.Oops concepts

2.Overriding rules

3.Covarites

4.Can we override protected to public

5.Sorting hashmap according to key

6.Dependecy injection

7.Association & composition

8.Finally block

9.Concurrent modification exception

10.We have emplouee & depatment table , write a ssqlquery to find depatid deptname & cout emplyee based on depatid

Suppose we ahve to emp class and we ahve to make a employee class key then what should be write in employee class

1. What is microservice archtecture
2. How you will increae the instance of microservice without stoping any instance
3. What is service config
4. Waht is service registroy
5. How to implement spring security
6. What is differcne between authicaton & authorizaiton
7. What is oath securtity implementation
8. What is differnce between design patteren & microserive archture
9. Whatis template design pattern
10. What is java 8 feature userd
11. What is flatmap
12. Solid priciplE
13. WHAT IS fault toulence (suppose if 4 to 5 serve down the what you do
14. What is functional interface
15. Stream api get the employee name which start from ‘A’
16. Write immutable class & what is use of this
17. What is class loader
18. Internal implemetation of concurrent haspmap
19. How we can achive double locking check in singleton
20. Bean scope spring, what is default
21. Life cycle of bean
22. Waht is difference between sigleton bean & singelton class
23. Solid prinicple
24. What is acutaltor
25. How to secrure rest api using spring boot
26. How to monitor rest api in spring
27. Can we interchange @component and @Service
28. How work gabage collector?
29. How to implements jparepsitory
30. Hwo to write custom query & native query in jpa
31. How to handle excption
32. Waht is differnce between promise & observal
33. What is directive & how to implements custom directive
34. What is databinding
35. Hwo to achive dependency injection
36. What is flow of angluar applciaton
37. Take a form with submit button & lsit grid hwo to flow
38. We have employye class and two obect is create-ing in spring app an dhow many oobejct
39. Why spring boot
40. Disadvantage of microservice
41. What function & procudure in sql
42. Junit test - one microservice to ohter microserve
43. How to configure multple datasoruce
44. What annotation you use
45. What is registry service
46. What is eureka & zull
47. What is difference between functional interface & abstract
48. Whati is difference between setter injeccion & constructor injection
49. We have class A inside class b , class b inside class c, and class c inside class D and so on what is draw back and which injection works
50. What is @Service & @Components
51. We have arraylist and index 0 valie is 3 index 1 value is 5 and liske sort the element based on index()buble sort
52. How to achive pagination in angular
53. How to connect two datasource into you applcaiton
54. Whatis flow of angular
55. What si difference between angular 6 and angular 9
56. Whati is matieral diesing
57. DDM design pattern
58. Design pattern
59. Tell me you techonology expericne
60. What is you project architecutre
61. Whatis ClassNotFoundException and noclassdefexrror
62. Can we write lambda exproession without funcitonal interface
63. What is functional interdace
64. What is difference between abstract class & functional interface
65. What is predicate & funciton
66. We have tlsit of employee and filter ithe age greater that 50 an display name of emp name using java8
67. Hwo to fid the memroy leakage of application
68. What is meta space
69. What s thread pool
70. Whatis demaon thread
71. We hav 100 element in list of employee and 40 element rhave duplciate , duplicate basedon last name ,dob and ssn and display the 60 records using java 8
72. What is prototype and gvie real time scenaori
73. What is embedded container server in spign boot
74. How toprovide war in external server
75. What is difference between @Springbootapplcation and @Enable autoconfiguation
76. How to diable class
77. How to set profile
78. What is stream api
79. What is map and flat map
80. Siggnton design pattern ,how to achive double locking in singleton
81. Conneciton poo;
82. We have 6 instacne and wen we create 7th instance give the execption
83. Hibernate jpa
84. What is datamodel
85. Many tomany give example and hwo to achinve in jpa
86. Wha is transaction and wht is issolation
87. Howt owrite query in jpa custom qruy and complsx tquery