**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 bott
26. Controller & rest controller
27. What is ssl
28. What is conditionalproperty
29. Why we are using sping boot
30. What component provided by spring boot
31. Hwo to disable autoconfigration
32. What is starter
33. What is scop of bean , wht is defautl bean , which one is thread safe
34. 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