```
1) psvm(String args[]){try{

    try{

}

catch(){}

finally{}

}

catch(){}

finally{}

}


2)class Test extends Thread{

run(){}

psvm(String args[]){

Thread t = new Thread();

run();

run();

t.start();

}
```

What will be the o/p

```
3)class Test extends Thread{

run(){}

psvm(String args[]){
```

```
Thread t = new Thread();

t.start();

Sop("main");

t.wait();

Sop("main2");

}
```

What will be the o/p

What will happened when we try to add duplicate key in hashmap

5)is map implements collection interface?

6)String s1 ="ABC";

String s2 = s1;

s1+="d";

Sop(s1==s2);

7)same in stringBuffer

String s1 ="ABC";

String s2 = s1;

s1.append("d");

Sop(s1==s2);

8)it is related to inheritance scenario i forgot the que

Total 3 que on inheritance scenario

Telephonic interview

Difference between SOAP and REST

8) can we write test case for static method?

9) do you have any front end exp?

10) what is join?

Introduce yourself

What is polymorphism?

How will you fetch 1 lakh employee data from database in sorted order?

Diff bet hashmap n hash table?

Diff bet string buffer n builder?

What is string constant pool?

What is immutable?

When we use string buffer n builder?

Diff bet iterator n list iterator?

What is interface n abstract class?

What is check exception?

If an user

write sql query to to fetch all data from specific column

If given no is Even divide by 2, If add multiply by 3 & add 1 and given number is from (10-1000).

what is spring actuator

What is java

What is connection

What is driver manager

What is public static void main

What is apication server?

What is diff bet c c++ and java

What is Schema

How you change your application schemas

Jsp servlet life cycle

Interface and abstrat class diff

What is multiple inheritence

6) what is @qualifier, @Bean

7) have you done any json object formating(unable to recall exact ques)

17) Stored procedure vs functions

18) why use hibernate?

21) what is predicate?

22) difference between predicate and function?

23) write a code for getting employee list whose age is greater then 40?

24) filter() vs map() (java8)

25) join vs union

1. Tell me about yourself

4.Diff between Spring and Spring Boot

5.@SpringBootApplication annotation

6. Diff @Controller and @RestController

7. String question to find occurrence of characters in string " This This is is Saket Saket.

8. Do you know views in MySql

9. Triggers and stored procedures

10. Query to get max Salary

11. Create table from existing table

12. What is JPA

2nd round

1. Data structure where insertion order is preserved and duplicates are not allowed?

2. Java 8 features

3. Cultural questions

a. What motivates you to work

b. Where will you see from 2 to 5 years

d. What is the motive after joining the company.

What is constructor chaining ?

What is serialization?

How to achieve serialization?

what are different methods in serialization?

Can we override static methods?

What is the difference between Stringbuffer & stringBuilder?

what is the difference between sleep() & wait()?

What is marker interface?

can you tell mi different types of marker interface?

what is conventional return type?

what is deep & shallow?

What is reflection?

is java reference or by value?

What is collection?

What is the difference between hashset & hashtable?

What are design pattern you know ? can you explain it?

what is predicate?

what are functional interface?

what is solid principle?

@Qualifier, @bean, @componentscan, @Restcontroller, @controller,

What is the difference between fetch & Pull?

What is the save and persist method?

what is the difference between get & post method?

1.Consist of Java program find output

2. Aptitude questions

3. MySQL queries related questions

4.Spring Questions

6. Coding question on arrays

7.Collections framework

1.Access modifiers in java

2.When to use arraylist and linkedlist

3. Write a program to give sum of harmonic series like 1 ,1/1 ,1/2, 1/3

4.Spring Scopes

5. Servletcontext and ServletConfig

6. Best practice used for Collection

8.Hibernate annotations

9. Java version u have used

1.Difference between method and constructor

2.Normalization

3.what string is immutable

4.features of REST full web servicrs

5.Dependency injection methods

6.spring hibernate integration

8.annotations in hibernate

9.load and get difference

10.eager and lazy difference

11.java 8 features

12.modules of spring framework

13.scopes of spring beans

14.how to implements joins in hibernate

15.collection type in hibernate

17.how to select unique record from table-which keyword is use

3 are u aware of java 8 features

4 what is functional interface

5 why lambda function come into picture

6 reverse array without using other array program

7 find out duplicates from string

8 what is immutable in java

9 exception hirarchy

10 why strings are immutable in java

1 introduce yourself

2 what is spring and spring boot

3 why spring boot came into picture if there is spring mvc

6 collection hirarchy

7 internal working of hashmap

8 contract of equals and hashcode

9 what is need of service in spring boot

Two managers...

1st manager

4) concurrent haspmap vs hashmap vs hashtable

5) other core java ques

(2nd Round -Face to face Interview (45 min)

Q)wrile a program to remove duplicates from string in java

Q) how to send mail in spring boot

Q) microservices and Advantage

Q)how services communicate with each other in microservices

Q)@Controller and @RestController

Q)How HashSet internally Work

Q) difference bet Final Finally Finalize

Q)try without catch is it possible?

Q)If try/catch blocks have a return statement, even then the finally block executes?

Ans-Flow control first jumps to the finally block and then goes back to the return statement.

Q)Write Join Query in MySQL

Q)primary key and foreign key

Q)Dependency Injection ? and How it Works?

Q)@springBootAnnotation

Q)serialization and How to prevent it?

Q)Basic Question in MultiThreading (jeevan sir notes- more than enough)

Q)Spring and Spring Boot difference

Q)Step for design Rest API in Spring Boot

Q)immutable class

Q)How to create Immutable class in Java?

Q)What is an index in a database?

Q)What is NoSQL database example?

Q)What is Bean and Scope of Bean?

Round-2

2.final class

3.palindrome string program

4.difference between string and stringbuffer

5.can we catch error in try and catch block

6.hashset internal working

7.arraylist and linkedlist difference

8.advantage of multithreading

9.concurrent modofication exception

11.main advantage of spring framework

13.SQL injection

14.request and response in json

15.difference between query and path parents

16.what is 500, 401, error code

17.DDL and DML

18.what is Git

1. Diff between @SpringBoot Application and@Enableautoconfiguration

2. When to use@EnableAutoConfiguration

3. There are two string arraylist one with a,b,c,d and another with c,d,e

Write a program to find common element in two list

4. SQL query two tables with employee and department

Find the name of employee working with finance department and lives in Mumbai

3. What are the advantages of spring boot over mvc framework

8. What are properties we used in spring boot and where mentioned

10. What is spring boot actuator

11. What is difference between JDBC and hibernate

12. How you use database connectivity using hibernate

13. What is Inheritance association

14. Difference between 1st n 2nd catche in hibernate

15. How many DB available in dialects

16. Difference between save and persist , get and load , save and saveOrUpdate

What is session factory and session

What is dirty checking in hibernate

3) write code to swap 2 string without using third variable

4)write custom exception

5)write code for method overloading

6)add element into arrylist and remove duplicates

7)String str= java is Object   oriented programming   language

Write code to remove extra space

What is immutable in java?

How we can create immutable classes?

Oops concepts with an example.

What are types of Exception handling?

What are seralization and deserialization?

What is shallow and Dark in java?

How to make a copy of objects?

What's are JPA and Hibernate?

Tell me the difference.

What is Singleton class how can we create a singleton class?

Print 1 to 100 without using any Loop.

Find the Second highest number from the array.{100,45,52,67,122,125}

Find the second-highest number when all are negatives.

Also, there are 5-6 questions unable to recall.

4-5 Exception scenarios.

2-3 Oops scenarios.

2)Hibernate Annotations used?

3)Hibernate Session and SessionFactory?

4)How can u use second level cache?

5)Can a constructor be private?

6)What is Singleton how we create singleton classes?

7)What are the ways to break it?And how u can stop it?

8)Why throws decleared with method signature?

9)What is method overloading and varios scenerios of it.

10)Spring data-jpa properties?

11)What is @Qualifier?

12)One questinon related to the interface in hibernate?

13)Various scopes of bean?

14)Diffrence between save and save&update, get & load?

15)comparable &comparator diffrence

16)What is Has-A relationship?

What is ClassNotFound and NoClassDefFound.

What is immutable?

How u can create immutable?

Explain Exception Hierarchy?

Why String used in Hashmap?

Hashmap inner implimentation.

What is Singleton?

Equal and Hashcode?

What is Hibernate.cfg file contains.

comparable &comparator diffrence?

What is association?

1.Oops concept,

2.Difference between abstract class and interface?

3.Explain exception? Types of exception

4.Scenario related exception.

5.Collection and collections

6.what is comparator and comparable?

7.What is Hashmap?

8.internal working of hashmap?

9.What is hibernate?

10.Get and load difference.

11.@springbootapplication annotation

12.Differnce between controller and restcontroller

13.what is rest Api?

14.what are idempotent methods of rest Api?

15.What is singletone?

16.Explain about immutable concept?

17.Annotations used in hibernate and spring boot?

18.what is first level cache and second level cache? How to enable second level cache?

19.what is the purpose of hibernate.cfg file?

20.How to remove duplicate elements in string(only logic).

21.what is application. properties file and application.yml file.

22.What is Dependancy injection and inversion of control in spring?

First Round

1) what is solid principle?

2) What is Runtime polymorphism? Live example

3) what is custom exception? write code for the same?

4) what is transient

5) why we use multithreading?

6) Diff bet hashSet and hashMap?

7) In which scenario you ll go for list and set?

8) can you explain lambda expression in java 8?

9) what is stream in java 8 what is use of this?

10) have you seen concurrent modification exception? why it occur?

11) Which dummy variable is used in internal working of hashSet as value for every key

public static final Object PRESENT = new Object();

12) what is threshold is decided in java 8 for internal working of hashmap for internal

structure of linked list

13) which internal structure came in the picture after threshold crossed for internally hashmap

14) can you used JSP directly in spring boot like sprin mvc?

No

why -- need a dependency

which -- tomcat-embed-jasper

explain -- @SpringBootApplication

16) can I submit form -- with GET -- and in controller I am using @RequestBody annotation?

No-- GET doesn't have body

17) what is IOC and DI?

18) what is spring starter?

19) palendrom number program

20) how many ways we break singleton pattern?

Second round

13)what is the enhancement for hashmap internal structure in java 8

15)sprint duration?

16)If my requirement is -- I want to store policy Details in Policy_Health_Insurance table so

policy number as primary key in the form of

PLC_LI_001

PLC_LI_002

PLC_LI_003

not 1 2   3

how u ll do or which concept u ll use for this ?

--> Custom sequence generator

17) difference bet spring and spring boot

18) explain hibernate mapping

1)tell me about yourself

3)java 1.8 features

4)what is lambda expression

5)Stream api (small codes on stream api)

6) transient Keyword

7) difference between arraylist and linkedlist

8)can we make constructor as private

9)how to make custom exception

10) can we extend checked exception instead runtime exception

11)annotations used in

hibernate

12) difference between get and load method

13)throws keyword

14)can we declare multiple exception in single catch block

15)what is application context

16)@Qualifire

17)types of autowiring and when to use it

18)what is circular dependancy exception

19)explain all joins in sql

Telephonic Round

1)What is abstraction??How to achieve 100% abstraction?

2) what is multithreading??

3) Synchronised thread vs volatile keyword

4)why we use volatile keyword ??

5) Exception Handling Scenario based questions

6) which Spring Boot Annotations used

7) Scenario Based Questions on Spring

8) Types of beans

9) @Controller vs @RestController

10) Methods in Rest API

11) what is use of Patch in Rest API

12) Questions on Microservices

13) SQL Constraints?

14) Joins in SQL

15) Full Outer join Explain With Example

16) SQL Scenario Based Question to Perform operation on 3 tables

1. What are the Java 8 features?

2. How lambda expression is related to functional interface?

3. What is stream API? How it is different than collection?

4. What is function?

5. What are the design pattern you have used?

6. Whats is singletone design pattern? what code you will write in its getter method?

   how do we ensure that is will return only one object?

7. When you create the object?

8. What is the Hashtable?

9. What is the difference between Hashmap and hashtable? which is better?

10. what is comparator and comparable?

11. Write a program to find 3rd highest number in an array?

12. What is client-server architecture?

12. What is autoconfiguration in spring boot?

13. Explain Spring bean life cycle?

14. What are the defferent scopes of spring bean?

15. What is spring boot starter?

16. What is autowiring?

17. How do you connect your spring boot application to database?

18. What is YMLfile? Difference between YML and properties file?

19. What is dielect? How it works?

20. What is foireign key? Difference between primary key and foreign key.

21. What is unique key?

22. what is index?

23. what are the types of joins? explain it.

24. Write query to fetch the employee name having the same salary?

25. What are the JSTL tags you have used ?

26. What is error page in JSP?

27. If we make class as private what wil happen? Scenario -

   private class Example{ }

```
public final  class Example{  }

public static class Example{  }
```

28. What is interface? Difference between class and interface?

29. How we can achieve multiple inheritance using interface?

31. What is the purpose of introducing default and static method in java?

32. Show implemetation of default method programtically?

37. Write a program to find the numbers of occurences in string?

38. You have one list {1 4 2 6 7 1 8 1 1 7 0 1 } write a program to fetch all the 1 using java 8 ?

39. you have one class person in which person name age and sakary is mention as field.

   Write a program to fetch the person name whose age is greater than 50?

41. Write a pojo class. write Dao layer.

42. What is entity manger? How to send status code to client?

44. What is criteria querry?

45. What is trigger?

46. whats is stored procedure ? differnce between procedure and function?

47. What is difference beween crete statement and prepared statement?

48. Write a program to sort the map by value using java8.

51. What is profile in SpringBoot? How to select profile?

52. What is Actuator in springboot?

55. what is repository layer ? which methods are present in repository layer?

56. What is IOC, DI ?

57. What are the different types of IOC container? difference between them?

56. Explain Spring MVC flow ?

57. What is view Resolver?

58. What is Dispatcher servlet?

59. Difference between spring MVC & Spring boot?

60. How to sort list without using sort method?

61. How to mapp class with table ib the database?

62. How we can do one to many mapping in program ?

63. What is cfg file? what are you writing in that?

64. What is bean ? What are the tags ?

66. What is date and time Api and explain?

Spring boot application annotation

Difference between application properties file and Yaml file

@Qualifier annotation

@Request body and @Path variable annotation

@Restcontroller and @controller annotation

How controller return xml output

@Controller advice use?

@Required annotation

How to change port number from tomcat

How to do configuration in spring boot

Difference between static and final

Can we overload static method

What is string constant pool

How to reverse string in java

Can we use static method in interface

Parent class for hashmap

How to create custom exception

How to make class as immutable

Difference between throws and throw

Difference between wait and sleep method

What is JDBC steps to create connection

Difference between statement and prepared statement in java

Do you know about callable statement

Difference between web server and application server

Get and post method difference

Servlet life cycle

How to create singleton class

Spring mvc flow

Types of view resolver

Scope of beans

How to change scope in spring and spring boot

Solid principle

Union database

Test unit development

Soap vs rest

@Autowired annotation

If you don't use @Autowired annotation then how you do that

@component scan annotation

Sql basic query

Different types of index into database

Cartesian product in sql

Savepoint and trigger in sql

Singleton and factory design pattern

Did you use JSF, answer is NO

Difference between arraylist and list

Iterator vs collection

Array vs arraylist

Data access object layer

What is hibernate

JDBC vs Hibernate

Hibernate mapping with example in details

Internal working of hashmap

How to convert hashmap into set

Microservices basics

Palindrome program

@SpringBootApplication annotation use ?

What is devtool dependency

What will be output of sop("test"+10+20+30);

What is immutable, what is immutable classes in java

Internal working of hashmap

Why map is not under collection

Why we use hibernate over JDBC.

How to connect with database by using hibernate

What is first level cache and second level cache

How you define pojo class

In many to many mapping, how many tables are created.

What is rest API

Scope of maven

What is SDLC

Write query for sql, we have two tables we have to remove duplicates names as well as count names.

How to make thread as safe

Suppose I have static method and static block which will be executed first.

4. Spring Initializer

7.spring scope

8. Spring and spring boot difference

9.join query

10. Hashmap internal working

11.comparable n comparator

11. Oops all piller with example

1.Component and controller annotation we can replace or not

2.Put and post annotation difference

3.Key in mysql other than primary and foreign

5.singleton class

6.ioc container

7.@controller , @service @repository, @component difference

1.One to many used for department and employees

2.lamda expression means and how its used

3.spring mvc flow

1- fail-fast Iterator

2-How to remove duplicates from ArrayList?

3-Can we access the non-final local variable, inside the local inner class?

4-What is an applet,methods in applets

5- transient keyword

6-javap command, strictfp keyword

7- Can we declare an interface as final

8-Can we override the static method,

9- Can we override overloaded method?

10- How to add foreign keys

11- How to change the MySQL password by using query

12-SQL query to display the current date?

13-what is unique,composite key?

14-linux commands-mkdir & rmdir,ping,cat,ls,pwd

15- pattern program-

16-difference between Collection and Collections?

17-Is Session a thread-safe object?

18-lazy loading in hibernate

19-@PathVariable, @ResponseBody, @Valid,@RequestMapping,annotation

21- features java 8

Custom exception query

Why use runtime exception to extend

Versions of java, spring

Which collection used mostly

Hibernate cache types

Hibernate ORM (native query) joining tables

Spring Boot - building tool

How to build in pom. Xml

Use of service in REST API - business logic?

Different classes used in REST API

1 - reverse string

2- merge arrays(JavaScript node.js) not run

3 - Max and min number

1-why java primitive?

2- features of java ??

6- difference between collection vs collections

7 how to convert map to set?

8 what is multi threading and what is difference between sleep vs awake

10 hibernate lazy loding

11 spring MVC vs spring Boot difference

13 how internally spring MVC work ?(spring MVC flow)

1. what you have used for connecting to DB in REST

2. Methods of JPA

4. what is circle injection

5. what is method reference

6. what is spring intializr

7. advantage of spring boot other than web application development

class Test{

 public Test(){

this = null;

sop("construtor called");

 public static void main(String[] args){

Test t = new Test;

}

}

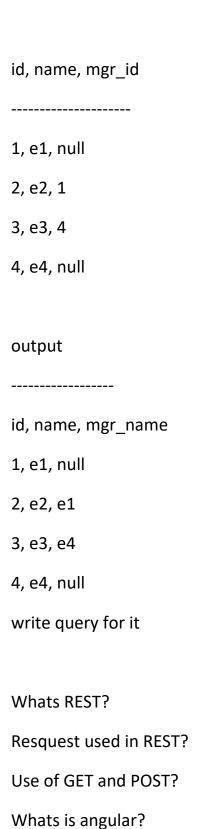.tell me about yourself

2.type of collection

3.what is collection

4.if I have one list in that list I want remove all duplicate value with real value for multiple value

Input:[2,3,4,3,4,5,6,7,8,7]

Output:[2,5,6,8]

6.employee

id, name, mgr_id

1, e1, null

2, e2, 1

3, e3, 4

4, e4, null

output

----

id, name, mgr_name

1, e1, null

2, e2, e1

3, e3, e4

4, e4, null

write query for it

Whats REST?

Resquest used in REST?

Use of GET and POST?

Whats is angular?

Whats Single tone design pattern?

Whats Factory Design pattern?

Sql constrain?

Sql Join?

How you manage Session within angular?

how you authorized the user?

What are Collection Type?

Whats Servlet?

Diff Application Server and Web Server?

Wap to calculate factorial with using recursion.

ivy comptect (2nd round)

----

sorting case sensitive string by string builder & buffer in notpad

----

Custom exception query in notpad

How hashcode & equal works in hashmap

----

what is REST (EXACT MEANING)

3.can we override the static method ?why

4.class A{

```
 Public static void add(){

  Sop(hello);

}}
```

Class B extends A{

```
  Public static void add(){

  Sop(hello);

}}
```

B b= new B();

B.add();

What is the output

5.method overload and method overriding

6. Internal working on Map

7.write code for remove duplicate from string=hello

9.can we replace @RestContoller annotation with @controller

10.can we replace @repository to @service

11.difference between comparable and comparator

12.difference between @controller and @restcontroller

2.class B extends A{

```
 protected void read() {

        System.out.println("read in class B");

}
```

```java
public static void main (String[] args) {

   A a1 = new B();

    a1.read();

 }

}
```

When will happen when you compile & run above snippet?

```java
Class Book {

  String title;

  String author;

  Double price;

}
```

What will happen when we add objects to type Book in a HashSet collection and try to retrieve the objects?

```java
class A {

 public void read() {

  System.out.println("read in class A");

 }

}
```

```java
class B extends A{

 protected void read() {

        System.out.println("read in class B");
```

```
}
public static void main (String[] args) {

    A a1 = new B();

     a1.read();

 }

}
```
When will happen when you compile & run above snippet?

4.

Stack Data-Structure]

push () & pop () methods implementation

5.Class Book {

  String title;

  String author;

  Double price;

}

What will happen when we add objects to type Book in a HashSet collection and try to retrieve the objects?

.public class NewT extends Thread {

```java
    public void run (Object obj){

        System.out.println("NewT running");

    }

    public static void main (String[] args) {

     NewT thread = new NewT();

     thread.start();

    }

}
```

What will be the behaviour when you compile & run above code snippet?


```java
class A {

  final int i;

  public static void main (String[] args) {

    A a1 = new A();

    a1.read();

   }

  public void read() {

     System.out.println(i);

  }

}
```

What will be the behaviour when you compile & run ?

contract between hashcode and equals method

1.Different steps of Tomcat server

3.what is index

4.what is stored procedure

5.what is trigger

6.how to control amount of thread execution at one time

7.what is servlet filter

8.reverse string without using inbuild method & by swapping characters

9. can we achieve insertion order and uniqueness in set & how to achieve it

10.difference between union and unionall

4.in spring what is @RequestParm

5.why we use @pathvariable in json

7.in spring which type stereotype annotation

8.advantage of maven

9.how we will stored local data or jar file in maven

10.what is dynamic polymorphism

12.explain java 8 feature

13.if I have list in that we have I'd, name ,I want only name by using stream api

14.how we will pass data to controller1.tell me about yourself

2.difference between map and hashmap

3.why we used hashcode and equal

6.mapped two table T1 and T2

T1(c1 primary key,c2 foreign key)

T2(c3,c4) in jpa

7.design the RestApi for update

8.type of cascade

1.tell me about yourself

3.why we use synchronized

4.diff between vector and arraylist

5.what is singleton

6.explain singleton

2.why we use springBoot

3.anotation used in springBoot

Spring and hibernate questions

1.can we add static pages on servlet ?

3.what are types of connection connection pooling ?

4.how to call static page in servlet ?

5.what is jdk jre jvm ?

6.can we run code with jvm without jdk ?

8.aggregation and composition ?

9.how to enable second level chache in hibernate ?

10. what are things we right in application.properties file

11.scriptlet tags

12.diff bet get and load

13.what is immuatable class and how to make class immuatable

14.all mapping concept from hibernate ?

15.what is benefit of dependency injection

16.dff betn spring and spring boot

17.what is actuator?

18.can we add custom endpoints in url?

19.what is defult autowiring in spring?

20.what is spring boot ?

21.what are the diff bean scope in spring ?

22.what is @springbootapplication annotation ?

23.@requestparam @pathvariable annotation ?

24.how you will manage transection in spring ?

25.application.properties file is very imp ?

26.@responsebody

27.what are stereotype annotations ?

28.can we change default port in spring

29.how do we change browser for execution ?

30.how do we add jars externally in spring boot

31.spring mvc working ?

42.diff betn controller and restcontroller ?

43.what is spring bean? How it is defined?

44.diff betn native query and named query ?

45.how do you integrate spring with hibernate ?

46.why jps come into picture ?

47.which tag takes care for all stereo type annotations ?

48.diff betn properties file and map ?

49.real time example of dependency injection ?

50.how can you manage users in application ?

51.why spring bean is imutble ?

53.strong oops concept required

54.strong exception handling and string is required

55.java 8 features must 1 question definitely someties program also

56.program practice on string array wrting restapi that print string on console tht you pass as value

-----------------------------May Batch--------------------------

Cognizant

Round 1

Date 9/9/2021

1. Internal working of hashmap

2. What is Serialization?

3. Volatile keyword

4. Difference between throw and throws keyword

5. Class not found exception

6.Differnce between string buffer and string builder

7. @Autowired

8.@ qualifier

9. Spring MVC view resolver

10. Spring boot advantages

11.spring IOC role

12. Difference between Hashmap and Hashtable

Company : cognizant

Level : 1

Date : 9.09.21

1.Java 8 features

5.Name some of object class methods

6.what is transient keyword?

7.after serialised with some transient methods and after deserialized what will transient part return?

8 what is method overloading?

9.how to create thread?

10.how to fix concurrent modification exception?

11.hashmap vs concurrent hashmap.

12. Explain cascade

13. Generator class

14.get vs load ? Which is best?

15.life cycle of Hibernate?

16.how inheritance is implemented in Hibernate?

17.how to enable second level cache

18. Primary annotations used in spring

19.@qualifier

20.@autowire

21.spring AOP

22.why do you need index

23.how you will use group by

24. Explain join query

1) Difference between Abstraction & Interface

2) What is difference btwn method overloading & overriding

3) what is multiple inheritance...

4) why we go for interface instead of class...

5) Java 1.8 features...

Static & default methods..

Functional interfaces, Lambda expression, Stream API.(Map & filter)

6) MySQL queries....do perfectly....in every interview they ask...Join query (select from two tables with where condition).....

7).....2nd highest salary....

8)......{Stored procedure & function....difference....VVIMP question)}..

9) what is indices in SQL..

10) What is collection....(Expected answer....<< tell use of collection & Enlist 9 key interfaces>>

11).Internal working of HashMap.....

12) Exception Handling...

What r different types of exception....

13) What r the. Ways to handle exception..

14) Use of throw keyword...where we can use?

15) Finally..finalise....final keyword...

16) garbage collection...how we can do it explicitly...

17) Memory management...

18) Gloable..local Variable... area..

19) what Is trigger in MYSQL.

20) Hibernate annotations...mapping example.....

21) what is maven...

22) Can we define static in abstract class...

23) What is advantages of static & default methods in interfaces...

24) object class methods...

25) Multithreding....(explain with object locking..in synchronised block)

26) Comparator & comparable difference..

27) Save & persist difference

28) Hibernate different methods...

29) object states in hibernate.

30) life cycle of bean...

31) What is dependency injection...

32) @Autowired. @Qualifier..@ComponentScan

@Service @Repository @SpringbootApplication

@Controller......

33) What is need of autowiring

34) What is Solid principle..(2 time asked...VIMP)

35) Internal working of HashSet...

36) Types of iterator....

37) rest api methods....

38) testing tool...(postman)

39) spring boot advantages over spring core...

40) Hibernate advantages over jdbc....

Program on...

1) java 1.8 features....

#Lambda expression..

Functional Interfaces

Stream API.

logic comparator...

2)SQL queries....for select values from 2 tables..(Diffrent condition applying)....{VIMP}

3) Array...remove duplicates.....

4) removes duplicates from Arraylist.....Reverse..it..

5) Iterate by using for each...

6) working of HashMap By using paint...

7) working of Arraylist by using paint...

Scenario...

Exceptional Handling scenario.....IMP

NeoSoft

1.map is part of collection framework or not?

2.in Hibernate mapping Which one is best suitable for many type - set or list?

3.what is one to many and many to many mapping ?

4.what is jhipster?

5.many people say that set is most used than list what u say?

6.is a sort method takes set or not?

7.which collections are thread safe in collection framework?

8.can we override static method or not?

9.is hashmap is thread safe?

10.concurrent hashmap is thread safe or not ? & what he do for thread safety?

11.can a multiple thread access same object in concurrent hashmap?

12.what is Linked hashmap.?

13.what u think which gives best performance linked list and arraylist?

14. what are pros and cons of wrapper classes.

15.differnce between global variable vs local variable

16.what is default priority, min priority, max priorty of thread ?

17.can we call run method by its name in multithreading?

18.what are ways to create thread & which is the best way.

19.When we implement runnable - how u call run method?

20.When we implement runnable r u sure we create thread class object - & then why we create thread class object

22.how many types of cache in java

23.which is by default cache

24.default cache is called level one or level two?

25.when level2 is executed?

26.what is query level cache and when it excutes

Company- "Neebal Technologies"

Round1- Technical- 1 hr

1.What is JPA and JPA repositories?

2. Solid principles-explain each of them.

3. Stream Api--use of Map and filter.

Predicate,Lambda Expression and Functional Interface-- their implementation on Notepad

4. @Bean,@Controller, @RequestBody ,@ResponseBody, @Qualifier,@PathVariable and @RequestParam

5.Can we replace the embedded TomCat server in SpringBoot? If Yes then How?

6.Difference between Spring Framework and Spring Boot.

7. What is View Resolver?

8.Triggers?

9.What are Stored Procedures??--write the code for the same..

10. What are Indexes in database??

11. Query to fetch Top 5 highest salaries

12. Query to get common names from two tables

13. Use of "Group by " -- write a query.

14. How to consume d created Rest services

15. Spring Boot starter dependencies... Explain

16. Is Spring a datatype or class?

17.How Spring is different from Spring Builder and Spring Buffer.

19. @Service annotation.

20. @Repository- why do we mention that

21. If we have HashTable for thread safe operation, then what is the need to go for "Concurrent HashMap"

Cognizant-13/09/2021

1st round

5 heap memory(string related)

6 java 8

7 final finally finalize

9 heap memory

10 @bean

12 @configuration

13 autowiring

14 program on notepad

(array 2nd highest number)

5.How to create Singletone Class?

6.internal working of hashmap

7. reverse String program.

8.how to convert map to set?

10.import and output stream? write a program.

11.Array list Vs Linked List?

12.hibernate states?

14.Java 8

1.4 pillars oops and explain

2.how to achieve encapsulation and abstraction

3.different memory area

4.exception propagation

5.create own custom exception class

6.create own custom immutable class - in that constructor will be public or private?

7.diff bet synchrized block and method and which is most used

8.internal working of hashmap

9.contract bet hashcode and equal

10.how you find duplicates of character in string and count

11.what is functional interface

12.what is stream api - why used and benefits

13.diff bet map and filter

14.optional in java 8

15.spring bean life cycle

16.@qualifier

17.@controller vs @Restcontroller

18.actuator

19.how to change default tomcat server

20.third highest salary from employee

21.singleton is default scope and inner bean is prototype then how many object is created

company - virsuta

oops concept abstraction and polymorphism

association and aggregation

string immutability

immutable class

hibernate detailed explanation

exception related with method overriding

exception hierarchy

checked and unchecked exception.

contract between hashcode and equals method.

Company name- BNT soft

 1. What is abstraction

 2. Difference between abstraction & interface.

3.Difference betn abstraction & encapsulation.

4. Exception propogaation.

5. What is seriallization & jvm how to know it is seriallization or deseriallization.
6.diff betn ArrayList & dynamic ArrayList.

7. Internal working of hashmap.

8. We add the duplicate key in hashmap then what will happen.
9.@componentscan.

10. We use repository annotation in service class then what will happen.

10. How to stop jvm.

11. In springboot where we write the database related configuration.

15. @ Qualifer.

16. Mvc architecture

1. What are feature available in Java 8?

2. Explain OOps Concept with Raal Time Scenario.

3. Which oops concept are use in our prject?

4. What are design pattern apply in our application?

5. Can you write singletone class program and How to create singleton class? and Explain singleton program flow and steps?

6. private Singleton singletonobject; How can access variable and method in outside?

7. Create employee class contains like id, name and salary, create a arraylist emloyee object add to arraylist and find the hightest salry from ths list. (Any Other Way).

8. Are you saying micorservices and what is tha use?

9. Can u explain how integrate hibernate into spring?

10. Whrere included hibernateajax?

11. How included jar files? Which file you will add depedencies?

1. Can we apply constructor is private? If yes and how to access another method or class?

2. Explain OOP's concept with real time scenario?

3. Diff. Between collection and collections?

4. Diff. Between hashmap and hashtable?

5. What is clonable, runable, remote and serilizable interface interface?

6. Whatv is rethrowing exception?

7. Explain memory management?

8. Difference betwenn == and equals()?

9. Are constructor inherited?

10. What is race condition?

11. What is deadlock?

12. Difference between concurenthashmap and hashmap?

13. What are domain threads?

14. Diff. between truncate and delete?

15. Difference between @restcontroller and @controller?

16. JPA and hibernate diff. beetween?

17. What is @springbootapplication and use?

19. What is the use of @service?

21. Index file which location are store?

22. What is the use of pom.xml file?

(2 nd Round)

Test Includes 17 MCQ and 1 coding Question

Core Java 8   5

Spring Boot   5

Hibernate   5

Spring Rest   2

Coding   1 - (Two dimesional array program)

1) tell me about urself

5) collection framed describe

6) abstraction vs encapsulation

7) what is hashmap

8) hashcollision in hashmap

9) comparable vs comparator interface

10) u can get chances to work on java 8 feacture

11) stram API

12) dependency injection

13) controller ? @Rest Controller

14) exception handling in java

15) list vs set

16) what is race condition

17) what is use of pom.xml file

18) can u explain how integrate hibernate into spring

19) @ qualifier

20) internal working of hashmap

21) how to shift code from one environment to another environment?

What is String? why it is immutable?

Oops Concepts in brif?

Status Code?

Code on String to find out digits?

Exceptions type, hirarchy?

what is error?

String str= "abc";

str=str+"xyz";

syso(str);

Output=??

Can we override static method??

parent class have public method and we override into child class

with private access modifier is it possible??

methos overloading? and overriding which is compile time and whichi is runtime??

hibernate? Second level cache?

Norteck Security-

What is Design Pattern?

what is pkg for spring boot annotation?

what is library for logger?

why u not used abstraction and interface?

query to create table like existing table?

Which status code tell that user is not Authorised?

What are the rest Api?

What are the Type of rest Api?

Types of Web Server?

//Input: Arr = { 3, 4, -7, 1, 3, 3, 1, -4 } target = 7

//Output: Subarrays with the

//given sum are { 3, 4 } { 3, 4, -7, 1, 3, 3 } { 1, 3, 3 } { 3, 3, 1 }

Which core java Concept used in factory design pattern?

Put Post And Patch method?

What is datasource?

Difference between drop and truncate?

1.What is abstraction, polymorphism, encapsulation, inheritance ? give real time example.

2. what is difference encapsulation and abstraction.

3. What is compile time polymorphism?

4.What is exception? How to handle it?

5. Have u got out of memory exception ? how to solve it?

6. What is String? Why it is immutable? Suppose I want to make it mutable then how can I do this?

7. What is Thread? How to creat it? Which way is better? And why?

8. Which method you have used for multithreading?

9. What datastructures you have used in collection? Which one is better?

10. Suppose I want to preserved insertion order then which datastructures will I used?

11. Default size of arraylist and linkedlist?

12. How size of arraylist increases with respect to array.

13. What is fail fast and fail safe?

14. What is nullpointer exception? How it is overcome in java 8? What option they have provide to use?

15.What is hibernate? Advantages?

16. what Is mapping in hibernate ? types of mapping? Write pojo class for one to many mapping

17. How to call hibernate procedure.

18.What are advantages of Spring framework?

19. Which Spring framework you have used? IOC, mVc, Spring boot

20.Suppose I have write multiple catch blocks in try block and I want to handle IO exception and I have write 1st Catch block with Exception and 2nd block with IO exception So will it work?

21. What is garbage collector? What is use? And suppose I want to make any object forcefully garbage collected then what will I do?

22. Suppose I have abstract class and I don't want to use the method / orverride that method what will I do?

23.How will I get JSON response in Spring boot?

24. write a query   calculate 3rd highesh salary from the table.

26.Can u explain spring MVC architecture.

1)Tell me about Yourself.

4)What are the ways to create object of Strings?

5)What is Immutable and Why Strings is Immutable

6)I have class car and want to create it Immutable then how will u do that?

7)what is static variable in java?

8)Using how many ways we can access static variable?

9) Find duplicate elements from array

10) Difference between Hashmap and ArrayList.

11)What is checked and unchecked exception.

12)What is Primary key, foreign kye?

13)Scenario:- table1 Report having column rep_Id, rep_name, createBy and table2 User having column User-Id, rep_Id……now if I want to delete one row from both table then what is the sequence of quries applying to table (means from which table row should be delete first).

14)Tell me about Join query and its different types.

15)Fetch the record from Report table and Ids are 23,25,29.(select * from report where id in(23,25,29);

1. Difference between string and string buffer?

2. What is abstract class?

4. What is hashmap?

5. Can I store null key as a hashmap?

6. Can I store object as a key in hashmap?

7. How do you iterate hashmap?

8. What are the different ways to handle exception?

9. What is finally?

10. Explain exception herichy?

11. What are the main difference beetween arrays and collections?

12. What are the already method define in collection?

13. What are the advantage of collection?

14. What is stream api and methods with program?

15. @controller

16. Difference between @component and @controller?

17. Difference between spring and spring boot?

18. Hibernate session is a thread safe?

19. What is hibernate cache and explain types of caches?

20. Difference between primary key and foreign key it is possible to order by and group by together?

21. query : order by

22. Highest salary query

1) Tell oops concept and its pillers

2) What is interface

3) Diff bwt interface and abstract class

4) Can we over ride static menthod

5) Difference Stringbuffer and Stringbuilder

6) Diff bwt comparable and comparator

7) Final, finally, finalize

8) Why we are using collection if we have array

9) Diff Array and collection

10) Diff bwt linkedlist and set

11) What is collection and its key interface

12) By how many methods we can create object

13) What is multithreading

14) What is exception

15) What is checked and unchecked exception

16) Exception propogation

17) Types of driver class

18) Diff dwt save and persist method

19) What is servlet life cycle

20) Jsp life cycle

21) Jsp implicit object

22) What is requestdispatcher

23) Why we are using hibernate if we have jdbc

24) What is first level cache

25) What is second level cache

26) Hibernate object type

27) Explain Many to many mapping

28) Autowiring types

29) How to create object in jsp

30) How to create singletone class

31) What is spring and adv

32) Explain spring mvc

33) What is dispatcher servlet

34) Adv of spring boot

35) Which annotation used

36) @component

37) @configuration

38) Where we can use spring boot

39) How we can change port no , which file we are using

40) Diff bwt @controller and @restcontroller

41) Annotation used in restapi.

Which annotation used

55) If we define static variable in spring boot what happen

56)   How to access that static variable

57)   How many tables get created in many to many mapping with example explain

58)   @autowired

59)   Types of autowire

60)   Some question form jdbc and servlet .

1) Java 8 features

2) Exception handling scenarios

3) Custom exception handling

4) What is use of string pool

5) ways to create string

6) why two objects are created using new

7) what is use of heap area object

8) serialization

9) Comparable and Comparator

10) Create Employee class (id,name,department) create Department class(departId,depart name) create Hashmap and put diff employee id as key and employee obj as value and sort by departId

11) How to create hibernate entity

12) create controller class

13) diff between QueryParam andPathParam

1)what is encapsulation?write a scenario of encapsulation?

2)difference between polymorphism and inheritance?

3)write a scenario of ploymorphism?and real time example?

4)difference between encapsulation and abstarction?

5)what is the use of interface?

6)what is exception hamdling?what are the to handle exception?

7)which java version you have used ?

8)When we use string buffer n builder?

9)write a scenario of exception handling?

10)difference between try and catch block?

11)difference between finall finally and finalize?

12)write a program of factorial using recursion?

13) Search an element in rotated and sorted array.

14)Find the number occurring odd number of times in an array

15)Separate odd and even numbers in an array

16)Find the second-highest number when all are negatives.

17)What is string constant pool?

18)what is immutable?

19)how to reverse string?

20)write sql query to to fetch all data from specific column?

21)If given no is Even divide by 2, If odd multiply by 3 & add 1

and given number is from (10-1000)?

22)internal workiing of hashmap?

23)internal working of hashset?

24)what is use of @servlet annotation?

25)what is status code?

26)write code for method overloading?

27)How to consume the created Rest services

28)difference between comparable and comparator?

29)diffeence betwen fail safe and fail fast?give some example?

30)difference between string builder and string buffer

31)) Is Session a thread-safe object?

1 internal working of hashmap (very deep)?

2 all sorting concept(comparator,comparable, collectoion sort)

3 diff comparable vs comparator

4 string

5 memory (stack and heap)

6 concurrent modification exception

(list,set,map how you handel)

7 rules of method overriding(very very deep questions)

8 access modifier

9 contract betwn hashcode and equals

10 how do you reserve the number(123=321)

11 swaping without 3rd variable

1. Introduce yourself.

2.Which Domain you have worked in?

3.Tell me about OOPS concept explain all

4.Can you tell real time example of polymorphism?

5.In java How can we achieve polymorphism?

6. can you tell internal working of concurrent Hashmap

7. Why Concurrent HashMap was introduced? How is it different from Hashmap.

8.Difference between HashMap and Hashtable?

9. How to create custom exception?

10. Which is the basic class of compile time exception?

11.Which Design pattern you have worked on?

12. How to design singleton design patter?

13. How to break the singleton design pattern?

14.Are you aware of MVC Design patter? How come you are not aware of this design pattern?

15.What is ment by shallow and deep cloning?

16. Have you worked on Java 8? Tell me all features.

17.Can you tell me some intermediate operator and terminal operator.

18.What is lamda Expression?

19.Why lamda expression are introduced?

26.Can you tell me some of the HTTP codes and their meaning?

27.What about post or put which method you prefer ? why why are you saying that is their any specific reason ? Answer: Idempotent

28.Which version of spring boot you are using?

30. What is the difference between the @component and @Bean?

31.What is inversion of control and why it called so?

32.Tell me the Spring MVC flow?

34.What about database which database you used?

33. Query to return 2nd highest salary and 3rd highest salary

34.What is inner join and outer join?

35.Have you worked on functions and stored procedure?

36.Why wait , notify and notifyall are kept in object class?

1.oops concept

3.when we use Abstract class & Interface

4.Write program to find occurences of String

5.Write program for Custom Exception

6.what is immutable ,which class is immutable

7.diff between hashmap and hashtable

8.diff between comparator and comparable

9.what is thread, how to acheive in java.

10.how many objects is creating when String s1= "abc",String s2=new String("abc") and with some other scenarios

11.static block

12.spring mvc lifecycle

13.what is Dependency Injection and what is its benefits

14.write SQL query to get name starts with "a"

15.write SQL query to get unique name from table

16.how to debug code in eclipse

17.diff between Soap and rest

1.Tell about yourself in brief and also tell you technical expertise.

15.How do you integrate hibernate with spring?

16.What is the difference between spring and springboot

17.What is difference the difference between controller and restcontroller

19.What is serialization?

20.What is de Serialization?

21.Can you tell me about circuit design pattern?

22.What is REST service?

23.What is the difference between REST service and Microservice?

24.How will you implement the microservice then?

25.What are types the class loader?

26.Can you run your application run without JDK?

27.One your package is created do you still need the JDK?

28.What is the difference between HashMap and HashTable?

29.What is a prime number and can you tell me the program to write it?

30.What is the default value of Boolean?

31.What is the default value of string ?

32.What is the difference between iterator and list iterator?

33.What is the marker interface in Java?

34.What is the purpose of marker interface if we don't have method in it?

35.What is functional interface?

36.Can you tell me about externalizable interface?

2.oops features in details

3.diamond problem in java

4.different scenarios based on method overload and override - which method call

5.why need polymorphism.

6.how internally hashset works

7.time complexity of hashmap for getting element and different scenarios

8.Write program to find occurences of Characters in string

9.what is optional

10.how u write code for rest api to get student by id

11.requestmapping annotation in detail

12.explain all different annotation you used in restcontroller.

3)Define Overloading and Overriding.

4)Explain encapsulation concept.

5)What is exception handling?

6)What is finally block?

7)Differenciate between ArrayList and Linked List?

8)Difference between List and Set.

9)Explain Concurrent HashMap,

10)What do u know about HashMap?

11)What is Iterator ?

13)Explain @RestController.

14)Explain IOC Container.

15)Explain HSQ.

16)What are the databases which support HQL.

17)Factory Design Pattern Explain ?

18)What are other different design Patterns?

19)Explain multithreading?

20)explain One-to-many mapping in hibernate.

2. Sum of elements in Array with Java 8 ?

3. Second highest number fro Array and explanation ?

4. What is hashmap, detail explanation ?

5. Hashmap and hashtable difference ?

6. Different scenarios on hashmap ?

7. What is dependency injection ?

8. @Autowired annotation ?

9. init() and destroy() of bean scenario ?

10. Abstract and interface difference ?

11. If the spring boot application and want to do some operation they how will you do that ?

12. What is application level events in spring ?

13. Query to write the all the employees who have age above 30 ?

14. Query for unique name of employee ?

15. Query for 1st 10 records from the table ?

16. Query for top 10 records sort by ascending order age above 30 ?

-Introduce yourself.

- why string is immuatable?

- What is immutable class?

- can we create a immuatable class? if yes the how?

- What is serialization?

- how to serialize an object without implementing serializable interface.

- Explain internal working of TreeMap.

- Difference between HashSet & ArrayList

- Explain the difference between ArrayList & LinkedList according to the use of them.

- What is the function of yield() method in multithreading?

- Tell me somthing about exception.

- Explain Java 8 features with example.

- What is optional class?

- Tell me the advantages of Springboot.

- What do you know about JSP & servlet?

- What is JSTL?

- Can we have multiple DispatcherServlets ?

- If yes then how can we select a particular DispatcherServlet for HttpRequest?

- What is @pathvariable & @serviceParam ?

- What is Spring boot actuator?

- What is SOAP & REST ?

- What is Spring AOP ?

2. Which java technology u used in that ?

3. What is JVM . Which types class loader present in java.

4. Stack area and heap area

5. Method overloading scenarios base:

Void multiplication (long a, long b)

Void multiplication (int a, int b)

Sop(100,100); which method call.

7. Exception handling , throw keyword, we can used it at checked exception?

8. Difference between try catch and throw keyword.

9. How to identify it's noclassdef and classnotfoundException , give examples.

10. In Hibernate, use of cascade

11. Type of autowire , if in byName two bean are same then which exception give

12. Type of web services

13. Explain groupby clause

14. Explain java8 features.

Explain streamapi with program.

1)opps concepts brief exlpain with real time examples

2) why java does not support multiple inheritance ?how to solve this issue

3)can your switch case statement in string

4)can you use try and finally

5) life cycle of bean

6)default scope of bean

7)what is path variable

8)what is request param

9) which is 1.7 features of java

10) which is the 1.8 features of java

11)what is stand for is relationship.

1. Diff betn Comperable & comperator.

2. Hashmap & concurrent hashmap.

3. Diff spring literal & heap area

4. Diff hashmap & hashet

5. Spring bean life cycle

6. Multiple thread occure in collection how to resolve it.

7. diff Collection api & stream api

8. diff get & load method

9.Autowired configuration

10. Query from select highest salary

11. can we overload static method

12. Recursive function program

13. what is mutable class & diff betn string buffer & string builder.

Company - S2 Infotech

11) give practical example of abstraction

12) what is runtime polymorphism

13) give example for runtime polymorphism

14) why method overloading is not possible by changing return type

15) can we overload static method

16) is multiple inheritance possible in java

17) what is alternative for multiple inheritance

18) diff between abstract class and interface

19) internal memory management of hashmap

20) which is the better option in java to fetch 10 thousand records from database

21) what is logger

22) stored procedures.

Company :-smarte inc

1st round

 1)Query from select highest salary

2)opps concepts brief exlpain with real time examples

3)can your switch case statement in string

4).explain all different annotation you used in restcontroller.

5) life cycle of bean

6).Write program to find occurences of Characters in string

7)what is path variable

11)what is logger

12) internal working of hashmap

14)time complexity of hashmap for getting element and different scenarios.

1) tell me something about yourself?

3)what is normalization

4) what is difference between primary key and foreign key

6)if you assign the task how to solve the issue

7)waht is your daily task

8)what is agile ceremonys?

9)difference between delete truncate and drop

10)what is stored procedure

11)what is agile methodology.

3)write a scenario of method overloading and method overriding

4)how to achieve inheritance in code?

5)if class is extended other class inherited so what will happen?

6)example of final class provided by java

7)immutable class example

8)contract between equals and hashcode method

9)nternal working of hashmap

10)internal working of concurent hashmap

13)why do need finally?

14)what is try and catch

15)what doed catch block do?

16)what do eprintstacktrace do?

17)what is alternative of finally bloc

18)what is try with resources? what doed it do?

19) when do we get ioexception

20)when do we get null ponter exception?

21)what is hibernate does?

22)what is hibernate annotation expalin each

23)what is flow of hibernate to create and application?

24)what is spring boot? what does it do?

25)main purpose of using spring boot?

L&t

1st round

1) what is oops? explain 4 pillers of oops with real time example?

2)write scenario of encapsulation

3)write scenario of method overloading

4)write scenario of method overloading

5) what is exception handling?write a scenario of exception handling?

6) what is prinstacktrace

7)difference between final finally finalized

8)exception hirarchy

9)what is io exception

10) what is custom exception? write scenario of custom exception

11)difference between fail fast and fail safe with example

12)difference between collection and collections

13) differmce between set and map

14)write a program reverse string

15) what is ioc container?

16)write a step of hibernate configuration

17)what is hibernat dialect?

18) what is pojo class? how to write pojo class why need pojo class

19)what is yml file

20) what is pom.xml file

21) difference between get and load

22)explain hibernate architecture?

Company name: Hexaware

1.Tell me 4 pillers?

2.diff betn abstract class & interface

3.why we use inheritance.

4.main purpose of constructor & what is default value if constructor.

5.throw & throws

6. Difference between exception and error

7. Herarchy of collection framework

8. Default value of string

9. What is thread life cycle

10. When we use set and when we use list.

11. Difference between prepared statement and statement.

12. @rest controller @autowired @qualifier

13. What is dependence injection.

14. Who is managed by spring bean.

1.@ ControllerAdvice

5.in list contains some data sort the data by using stream api

6. In costructor contain some field like id, name, salary get data only name by using stream api

7.in class contain field like id, name & salary sort by salary

8.functional interface

9.method in stream api

10.what is global exception

12. Rules of singleton design pattern

13. Hibernate cache concept & how to enable second level cache

14. What is concurrent modification exception

16. Diff between iterator & enumeration.

Program:

```
   class A {

public void m1(){

System.out.println("A - m1");

}

public abstract void m2();

}

class B extends A{

public void m1() {

System.out.println("B - m1");

}

public void m2(){

System.out.println("B - m2");

}


}
class Test {

public static void main(String[] args){
```

```java
A a = new B();

a.m1();

a.m2();

}

}
```

Program:

```java
class A {

private int i = 1;

}

class B extends A {

public void show(){

System.out.println(i);

}

public static void main(String args){

new B().show();

}

}
```

Program:

```java
class A {

public void m1() {

System.out.println("A - m1");

}
```

```java
}
class B extends A {
public void m1(){
System.out.println("B - m1");
}
}
class C extends A {
public void m1() {
System.out.println("C - m1");
}
}
class Test {
public static void main(String[] args){
A a = new C();
a.m1();
a = new A();
a.m1();
a = new B();
a.m1();
}
}
```
Program:

```
session.load(new Student(),new Integer("1"));
```

Qustions on OOPs

Java 8 features

Criteria API

REST

Why we use Spring Boot

Stream

Why functional interface is required

Diffrence between pass by value and pass by refence

JSP internal working

Why Maven is use

what is upcasting

All spring boot application practical I have write like

From main class to repository on notepad. ✅

Then find even nos from list with functional interface and lambda expression. ✅

Write immutable class on notepad ✅

Rest api is thread safe??? Partially correct

Concurrent hashmap internal working ✅

Spring security ✖

CGI group banglore

1.what is overriding

2.can we override static

3.what ia encapsulation

4.dynamic dispatch advantage

5.internal workings of hasmap

6. Synchronization

7.sub query

8.spring boot annotation

9.first level cache

10.spring bean

11.ioc container

Difference between Arraylist and vector

How to sort duplicate from array

Exception handling

Can we throw illegal statement exception in parents class and exception in child class.

What is boolean default value

Scopes

How to create customer exception

Java 8 feature code

Different feature in Java 5 and 8

Life cycle of bean

1) what collection u used

2) diff code snippet for static and final this keyword.what is the op?

3)@transactional annotation

4) without using predefined methods of string solve problems : paragraph is there. One character is there find similar character and Freq for that char.

5)two array multiplication

A[0]*B[0] = c[0

6)oops concepts

7)java 8 features

8)diff between put post get

1)write code for

A[] = {1,1,3,4,5,3}

Op={4,5}

2) collection hierarchy

Write down on chat window

Why map is not in collection

Internal implementation of hashset

Final finally finalize

Java 8 features

Oops concepts

String stringbuffer string builder.

Can we override constroctor with different return type.

Terminology related to static variable and static final variable.

1) what is class what is method what is object

2)missing no. In natural no.

3) diff between c and java

Pass by value pass by ref

4)pointer concept in java

5)why we use linkedlist and arraylist(don't tell diff)

7)5 diff way to iterate list

8)diff iterator in java

9)map iteration with for each loop

10)wrapper class before after 1.8

11)oops concepts

12)why java is platform independent

13)why constructor in java

oops concept

string immutable

arrayList and linkedList diff

stack and queue diff

java8 feature

@componant scan

@autowired

Reverse string program

spring boot

final finally finalize

diff between static and final

string stringbuffer and stringbuilder

ioc

dependency injection

there are 4 table...we write only one query for fetching all table data

join in db

imutable class

how can cofigure restapi to spring

i have inject one class to another how can i inject

== operator and equals() method

you have 4 table and you want fetch all data from this 4 table write query in one line

string snippet code

@annotation springboot

psvm(-)

{

```
for(int i=0;result;i++)

{

sop("welcome");

}

}
```

1) diff between hashset & hashmap

2) java 8

3) hello hello world is is

Use map and java8 both

9) to whom u contact for leave

10) your manager name

11) diff between put post

12) http error codes diff between 200 201

13) version controlling

14) share screen why u open mail. (For meeting link)

Self Introduction

What is trigger

what is Stored Procedure

Oops concepts

Difference between Method overloading and method overriding

What are the relationships in mysql?

what are the design pattern and its type

what is microservices ?

what is memory management and how the memory is garbage collected in java

what is join , and its type ? outer join and inner join

what are the types of BlOB ?

what is dependecy checking ?

what is hashmap ?

difference between delete and drop ?

what is alter ?

how to change the column size in table using alter ?

java 8 features

what is predicate?

what is default method in java 8?

which java version you used?

what is OLAP ?

what is Object-oriented analysis and design (OOAD)

do you know about pl/sql , Nosql

what is stored procedure ?

how to join two tables using inner join ?

why you mostly used mysql ?

if s1=abc;

s2=abc;

s1.equal(s2)?

s1==s2?

if s1=abc;

s2=abc;

s3=new(abc);

s1.euals(s3);

s1==s3?

1.main method final?

2.can we make pojo class fianl?

3.return type put(k,v)?

4.diff patch and put?

5.caching in map?

*Have you worked on Java 8

*Introduce yourself

*Lamda expressions?

*OOPS?

*program

```
public class A{

public void run(){

Sop("A");

}
```

```
}
public class B{
private void run(){
Sop("B");
}
}
```

*DDL

*DML

*Truncate

*ArraysSort program

Delete

RollBack

0. In which module you were involved backend/UI?

4. which data structure will u use to group employees

having similar salaries?

5. I want to display salary and below I that I want to display

all employees having that salary? which u will use?

ex. 50000

   emp1

   emp2

   emp3

85000

emp9

emp10

6. I want to register user for vaccination according to their age

  if age is higher then he should be registered first.

What are the keywords used in exceptions and functions of same

If you have class not found exceptions then u provided the msg w.r.t. that exception. You might have faced other exceptions—-> if answered yes then he will ask like for Handling that why you not provided msg in custom exception constructor? How can handle this?

Reverse string with stringBuilder.

What is requestMapping responseBody and RequestBody used for ?

Working of hash set and @componentScan.

1) collection hierarchy & map questions(diff. Bet. All)

2) java 8 questions

3) MySQL write stored procedure

4)find how many time duplicate string coming.

5) Comparator class

6) what is prerequisite to write map key= object of class.

Ans we have to override equals and hashcode

*5)class implements Comparator write code for that.

1,what is synchronised

2,difference betn string, string buffer and string builder

3,diff betn array nd vector

4, write a code to calculate 2nd Highest no by using array

5, what is predicate

8,what is bean nd scope of bean

9, what is @component scan,@ configuration

10,which annotation u have to used in spring

11,what is @spring boot annotation.

Company name : Marlabs

*Can we throw exception to main method

*Which is a default clonable class in arraylist

*Internal working of hashmap

*Internal working of Conncurrent Hashmap

*Iterate the hashmap

*Difference between @RestController & @Controller

*Difference between @RequestMapping and @GetMapping

*How to configure with database.

*what is hdm2ddl in hibernate.cfg.xml

*what is dialect in hibernate.cfg.xml

*what is @SpringBootApplication

Program

```java
public class Demo{

psvm(String[] args){

try{

Sop("1");

int i=10/0;

}

catch(NullPointerException e){

Sop("2");

try{

Sop("3");

int i=20/0;

}

catch(ArithematicException e){

Sop("4");

e.printStackTrace();

}

}

}

}
```

#Maverick Lab

- its a session base or

- its token base

3. How to connect database to your application

4. Which annotations you use in hibernate

5. Types of key we use in MySQL

6. What is factory

7. What is factory design patterns?

10.What is JSON

Q What is Spring?

Q.What is difference between Spring and spring boot?

@SpringBootAnnotation?

What is abstract class and interface.

QWhich annotations you use in spring

QWhat is Factory design pattern?

Q Mysql basics.

1.difference between abstract class and interface

2.internal working of hashmap

3.internal working of git

4.what is @pagevariable

5.what is postmapping and getmapping

6.what is index

7.differnce between index and primary key

difference between rest and soap

9.string s1="Java "

String s2=" technology "

How Concate both string

10.what is @controller

11.java 8 features

12.requestmapping

13.diff between port number and server

14.find out the second highest salary from employee tablet

Largest palindrome substring

String="babad"

Output-bab

Or

Output-aba

String="abba";

Output-bb

Diagonal matrix program

1 0 0 0

0 1 0 0

0 0 1 0

0 0 0 1

1 0 0 0 1

0 1 0 1 0

0 0 1 0 0

0 1 0 1 0

1 0 0 0 1

Company # Maverick Lab

Hibernate

@query Annotations

Collections

Spring Annotations...

Program for reverse string

From what exact processes we can make objects in java

Clone method elaboration (deep and shallow)

Hashmap internal working

What are exact case in which we can use treeset

We have spring but why we use springboot

Connections with hibernate (all steps)

How can we pass object of arraylist into hashmap

Scopes for bean and which is default scope for bean

What is different cases of mapping and where we should make the change in code

If u r using the springboot, how restController will get to know from which class it should start

Annotations in hibernate and springboot

Why we use @componentscan and @qualifier

Real time scenario for oops concepts and somewhat explaination

Objects states in springboot

What is cascade used for

Your laptop is having only one processor still it works on multiple processes at one time, how ?

Some sql and string scenario

 swapping two numbers without using third variable

different types to make your class immutable

write custom exception class

difference between stored procedures and triggers

explain any 3 points from java 8

can we extend interface into interface ⬚ yes

why they added the scope for default method in interface

string objects means pool and heap concepts, how much objects will be created from

1)   String s="amit" 2) String s="amit"   3) String s=new string "amit"

ntroduce yourself?

Oop concepts ?

Collection framework ?

Difference Hashmap vs hashtable?

Object class ?

Difference   String vs string buffer ?

immutable class in java ?

Garbage collection?

Final finally and finalize?

Differences argument and parameters ?

Collection interface?

Jdbc connection ?

Core interface of Hibernate?

Difference   Get vs load ?

What is Hibernate?

What is use of lazy loading ?

Why we use Sessionsfactory ?

How many types of mapping in Hibernate?

States of Hibernate?

What is spring ?

Advantages of spring ?

Spring IOC container?

Autowiring concept?

Dependency checking?types ?

Is java call by value or call by reference?

Dependency injection?

Git concept?

#Meganexus

1.What is Abstraction? When to use abstract class n when to use Interface?

2.Statement

public class A{}

public class B{}

public abstract class C {}

public abstract class D

public interface E {}

public interface F {}

which is correct from follow options

1 A a = new C();

2 C a = new C();

3 class abstract C extends A , B

4 public class A implements B extends E , F

5 public abstract class C extends D implements E , F

3.What are microservices?How to communicate microservices?

4.What is join?Explain left join?

5.What is the internal working of Hashmap?

6.How to handle exceptions in Spring Boot?

7.Explain the feature Stream API in Java8.

8.What is @Autowired, @ComponentScan, @controller?

9.What is the difference between @Restcontroller and @Controller?

10.What is Hibernate Mapping?Explain OnetoOne mapping?

11.How to write RestfulAPI?

12.What is Lazy and Eager loading?

13.What is view Resolver?

*Tell me about yourself

*Class inheritance concept

*How to prevent any other class to extend our class

*Method overriding and overloading

*how to get 2nd Highest salry form the table

*Create a sublist of employees whos name start with s and are from India

*Exception handling

*Custom exception

#class A{

Public string method() throws Exception {

}

```
}


 Class B extends A{

Public string method() throws RuntimeException

}

 }
```

*How to create custom query in Spring boot in repository interface and how to show that data on our page

*How to update information in our table in spring boot

*Post and put difference

IGP

What are microservices.

Biggest Disadvantage of microservice.

@ qualifier annotation

Bean life cycle

@ component scan

What is scope

Default type of scope

@ primary annotation

How can u write dynamically from 1 to 10 elements without using integrator or for loops or any types of loops

If B class contain element of A class but A class can not contain element in B class write query for that.

Tell me about yourself

Diff Arraylist vs Vector vs Linkedlist, HashSet vs TreeSet, Working of HashMap

Questions on Multithreading

OOPS Concepts, Abstract Class And Interface, Encapsulation

Exception Heirarchy, Scenario for coding

What is Hibernate and why we use that, Hibernate Mapping

Spring MVC flow

Questions on Rest API

Questions On MYSQL, Join, View, Stored procedure.

Tell me about your self

Oops concept

Transient use

What is use of hashmap

How to disable auto configuration in spring

What is mean by compile time polymorphism and runtime

Index , foreign key in database,how u can do views insert and update

Spring, spring boot advantage

Spring boot annotation

Restcontroller and controller diff

Gave User story and how u implement it

Synchronized keyword

*Scenario based questions in hibernate

*What is hashmap

*Internal working of hashmap

*What is hashing.

*What annotations you have used in spring Boot

*List out the annotations we use to connect with hibernate.

jet complier

singletern class

jar files

hashmap hash table

features of java 8

authentication & authorization

method overloading & ridding

abstract and interface

genarics in java

second largest no. in array

Difference between sorted map and trees set

How to write unit test report

How to check Integration testing

How to change derby server to other

How rest authentication is checked

How to create Logger file

What are the levels of logger

Difference between string builder and buffer

FailFast and FailSafe difference is important *

*Tell me about yourself

*Load and get method difference

*Wait and sleep method difference

*Different methods present in Object class

*When to use abstract and interface

*singleton design pattern

*Factory design pattern

*Scop of bean class

*@qualifier annotation.

*Different between comparable and comparator

*Why to make class as final

*What is static

*@queryparam and @requestparam

*Difference in @controller and @Restcontroller

*Have you worked on any frontend technology

*What is functional interface

*What is lambda expression

*Get and load difference

*what is ConcurrentModificationException.

Allianz

Jdk ,jre,JVM difference

Ternary operator

Difference between normal class and interface

What is wrapper classes

Serialization

Spring boot annotations

Another name for dependency injection

What is Spring

Java 8 features

* String Buffer & builder

*Abstraction

*Hash Map & Hash Set

* Annotations

*overloading & method overriding

*REST API

*Spring.

#monocept

*What is checked and unchecked exception

*different bitween hashmap and hashtable

*@controller amd @Restcomtroller

*@responsebody @requestmapping

*Spring boot features

*Can we change the port number of server in spring boot

*Java 8 features

*Lambda expression

*Scope of bean in spring

*What is synchronization.

*Exception hierarchy

*Truncate and delete statament diff

*Ddl and dml diff

*2nd highest salary

*How to change the data type of column in sql.

3.MVC life cycle

7 what is complete method in ajax

8.if any quarry take 10 sec. Time to retrieve data from data from database then what to do for reducing time required for retrieving data from database

9. different between tempdata and CTE

10. Opps concept like different between abtract class and interface, and what is sealed class , What is constructed, what is oppoclass, types of collection, what polymorphism, What is data abstraction,

11.why we are use ajax call

13. How use web api in mvc

14. What types of filters we use

15 what is returned type of action result

16.flow of MVC

17. what is route

18.what is static class and how to use in design patten like single tone design pattern

20. If we have two database how we are used both batabase table in return single view

21. different between function and procedures

3 to 4quation remain now I have not remember but I shared as soon as possible.

1.What are the memory areas of jvm?

2.What is class not found exception?

3.What is the difference between @Service and @ Component?

4.What is difference between Hashset and Hashmap?

5.What is the difference between native query and named query?

6.What is difference between Primitive data type and wrapper classes?

7.What is left join in mysql?

8.What is Group by and Having clause in mysql?

9.What is @springbootapplication annotation?

11.If we want xml output in spring boot app then what to do in controller class?

12.What are key components of Springboot?

2.Logic for accessing multiple inheritance 3.implementation in java

4.String == comparator and equlas method

5.Hibernate session management

6.Object state in hibernate

How we use stream in collection

....

1.introduction with technology and role

2.java 8 features

3.if you have emp and empdto class and we need to filter imp object with greater than 15000 salary and we need to store result int empdto list , How you will do that

4.default method

5. Coding questions related to sting

6.hibernate

7.differwnce between spring & spring boot

1.Factorial of a number

2.What is recursion

3.Singleton class

4.Oops concept

5.Query to get second highest salary

6.What is string

7.String builder and string buffer

8.Immutable class

9.How can we make class as immutable

....

1.oops concept

2.hibernate spring mvc

 two program

3.on string

...

What is Client-side load balancing in Spring Boot and how does it works

Rest Controller and @ controller?

I have text file I want to know which word occurred multiple items? Hash Map

Diff b/w Hash set and Hash Map

Hash Map can we maintain duplicates?

I have 3 different Implementations, at run time I need to pick up the object dynamically and should to appropriate implementation.

Spring – When creating object by default what is the scope of the object

What is Single ton

What is @ Spring boot application

Auto configurations how does it works

Why do we use exceptional handling?

Few Design Patterns you worked in core part

What is Factory Design Pattern?

Have you heard Abstract Factory design Pattern?

Singleton Pattern?

CLONE METHOD

Adaptor Pattern?

Observer design pattern?

What is meant by checked and unchecked exception?

Compile time exception means what?

Custom exception

Logging framework in java?

What are the log levels

Any idea on app?

....

1. What are new features of Java 8

2. What does spring boot works

3. Why Spring Boot came into picture when Spring was there

4. What annotations are there used in SpringBoot and SpringMVC

What are the differences .between Annotations n XML configuration

.integration of

5.Architecture diagram of Spring MVC

6. How u handle authentication n exceptional handling in Spring Boot n Spring MVC applications

7. Name some of the annotations n its use n functionality

.....

1) what is Oops ?

2) types of inheritance

3) @bean

4) @Autowired

5) Functional Interface

7) what is jsp and servlet?

8) what is date class in java?

9) 4 mcq types programs..

10) Exception in spring boot

.....

1.Interface and abstraction difference

2.Java 8 features

3.Spring n spring boot diff

4.Sql query to check second highest salary

5.Oops Concepts

6.Overloading and overriding

7.Functional interface

8.Return type of functional interface

...

1.what is the use of profile in spring boot?

2.What is spring boot context path?

3. http methods in spring boot

4.internal working of hashset

5.spring annotations name?

6.servlet life cycle

7. Program find prime no?

8.Difference between REST API and microservice?

9.Get and load method in Hibernate

10.Functional interface and lambda experiation

.....

1.Reverse string

2.Pattern coding question

3.Arraylist and hashmap program

 4.Arraylist vs hashmap

5.Opps concept implementation

6.Immutable class implementation

7.Design patterns

9.Custom exception implementation

.....

1.Spring annotation

2.Hibernate configuration and annotations

3.Hashmap and has set

6. Builder design pattern

7.Collision in hashmap

8.Multiple inheritance

.....

1.Java 8 feature

2.Logic for accessing multiple inheritance 3.implementation in java

4.String == comparator and equlas method

5.Hibernate session management

6.Object state in hibernate

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....

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7.differwnce between spring & spring boot

....

...

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3.Singleton class

4.Oops concept

5.Query to get second highest salary

6.What is string

7.String builder and string buffer

8.Immutable class

9.How can we make class as immutable

....

1.oops concept

2.hibernate spring mvc

 two program

3.on string

...

Experience on technologies which worked - Introduction

Did you work on Microservices – Why should we adopt for microservices?

How do we manage security in microservices?

6 different microservices authentication at a time?

Rest Controller and @ controller?

I have text file I want to know which word occurred multiple items? Hash Map

Diff b/w Hash set and Hash Map

Hash Map can we maintain duplicates?

I have 3 different Implementations, at run time I need to pick up the object dynamically and should to appropriate implementation.

Spring – When creating object by default what is the scope of the object

What is Single ton

What is @ Spring boot application

Auto configurations how does it works

How spring create object? - on what bases spring create class for object

Why do we use exceptional handling?

Experience with microservice component like Service Registration and discovery (Eureka), Client side load balancing (Ribbon) , Distributed Tracing(Zipkin and slueth) ,configuration (Spring cloud Configuration) and api gateway (Z

Few Design Patterns you worked in core part

What is Factory Design Pattern?

Have you heard Abstract Factory design Pattern?

Singleton Pattern?

CLONE METHOD

Adaptor Pattern?

Observer design pattern?

In Java how do you handle exceptions?

What is meant by checked and unchecked exception?

Compile time exception means what?

Custom exception

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What are the log levels

Any idea on app?

....

1. What are new features of Java 8

2. What does spring boot works

3. Why Spring Boot came into picture when Spring was there

4. What annotations are there used in SpringBoot and SpringMVC

What are the differences .between Annotations n XML configuration

.integration of

SpringBoot with Restfull webservice in order to call a service of an application deployed on the server

 5.Architecture diagram of Spring MVC

6. How u handle authentication n exceptional handling in Spring Boot n Spring MVC applications

7. Name some of the annotations n its use n functionality

.....

1) what is Oops ?

2) types of inheritance

3) @bean

4) @Autowired

5) Functional Interface

7) what is jsp and servlet?

8) what is date class in java?

9) 4 mcq types programs..

10) Exception in spring boot

.....

 1.Interface and abstraction difference

2.Java 8 features

3.Spring n spring boot diff

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5.Oops Concepts

6.Overloading and overriding

 7.Functional interface

8.Return type of functional interface

2.What is spring boot context path?

3. http methods in spring boot

4.internal working of hashset

5.spring annotations name?

6.servlet life cycle

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.....

1.Reverse string

2.Pattern coding question

3.Arraylist and hashmap program

 4.Arraylist vs hashmap

5.Opps concept implementation

6.Immutable class implementation

7.Design patterns

9.Custom exception implementation

.....

1.Spring annotation

2.Hibernate configuration and annotations

3.Hashmap and has set

4.Junit

6. Builder design pattern

7.Collision in hashmap

8.Multiple inheritance

What is static keyword?

What is final keyword?

What is finalized?

What is finalized?

What is variables? Types of variable?

What is oops ?

Types of constructor?

What is instance variable?

What is array list?

Difference between list and set?

What is synchronize?

What is immutable?

What is string constant pool?

Why java is platform independenet?

………
….

 What is exception handling?

What is custom exception?

How will you create immutable class in java?

Difference between string buffer and string builder?

What is hashmap?

What is rest api?

………
……….

 1.String s="java";

String s1=" java";

How many objects created?

2.how to handle the exception?

What is string?

spring mvc architecture?

Hibernate architecture?

@pathvariable

@controller & @restcontroller

Scenario of method overriding?

WAP t to write the program for occurring character in a string

1.how to sort the data

(2,Programming) (3, Databases) (4,ETL) (1,Docker) (5,Cloue)

2.String str1 = "Hello"; String str2 = "HELLO";

if (str1.equals(str)2))

if (str1 == str2)

3.write the even program?

Difference between @enable and @springbootApplication?

Birlasoft

Oops concepts

Exception hierarchy

Exception in overriding

When you use arrylist and linked list

When you use linkedHash map And tree map

Fail fast and fail safe

Composite in MySQL

Which version use for java

Class A

Void M1(object o)

Class B

Void M1(string s)

Class C

PSVM (String a[])

{

M1(null)

}

O/p=?

Class A

Void M1(Integer i)

Class B

Void M1(string s)

Class C

PSVM (String a[])

{

M1(null)

}

O/p=?

Difference between wait and join, sleep method.

Immutable class

What is random access

Difference between final and immutable

Can we write final keywords with string.

Query:I write

select c.country_name, count(s.statename) as no_of_state

from country c, state s

where c.country_id = s.country_id

group by s.statename.

Citustech

1.write 2 dimensional array syntax

2.write hashmap syntax

3.write fibboniccai series program

4.write duplicate occurrence of string in sentence print it's occurrence count

5.hashmap internal working

6.diffrence bet spring and spring bean

7.spring bean scope

8.ioc container

9.arraylist vs linklist

10.comoarator vs comparable

11.polymorphisom

12.abstract class and interface when we select in bet that

13.string constant pool

14.code snippet for string object

2. Do we configure hibernate.

3. Actuators

4. Starters in Springboot

5. Why you want to change nd why you want to join citius.

6.new technology you learn from urself.

Technical

1.Design patterns:Singelton,prototype

2.constructors,

4.java 8 code of get even numbers

5.java 8 bipredicate

6.functional interface

7.oops concept

8.spring boot and spring mvc

9.the whole rest api flow (how you create the project for rest api)

10.multithreading

11.jboss architecture

12.abstarct class and functional interface

13.stream methods

14.comparable comparator

15.immutable objects

16.hashmap

17.hashmap and hashtable

18.concurrent hashmap

Comparable n comparator

Copy constructor

Type of constructor

Oops concept

How you create a thread

Executor service

Java 8

Design pattern

Procedure return type

Call Procedure from.java

Micrp services

Diff between hashset n hashmap

Execption handling

Junit

Garbage collector

Logging framework

Core Java program

Intellect design

Explain Trigger and index

Join

Stored procedure

Spring boot annotations

Difference between spring And spring boot

Diff between save, persist

@autoConfiguration

@query param,@path param

@springbootAplication

Diff between controller and rest controller

Collection hierarchy

Exception hierarchy

Set and map difference

Try catch scenario

Reverse string program

String occurs program

Birlasoft 1 st round

All core java questions (jeevan sir notes)

Spring boot annotations

Fail fast and fail safe

Java 8 features, functional interface, stream API

@transctional

@transient

Hibernate mapping

You save your data into database then which position controller can go

Today you uses MySQL database and next month you use oracle database...what changes you can done

You have 5 object and its hashcode is same then what problem in your program

Q.

111111

111122

111333

114444

155555

666666

WAP for this

"Abcdmadam" find maximum possible palindrome

Deep cloning and shallow cloning

8 unique balls are there. Comparable weighing machine is there. Among 8 balls, 7 weighs same and one is heavier. Find at least for how many times you will use weighing machine to find heavier ball.

FIS

Deadlock in java

How many ways create the object in java.

Life cycle of thread

Difference between wait and sleep method

Subquery in MySQL

Composite key in MySQL

Clone methods

Serialisation

How to create immutable class

How to create custom exception class

Polymorphism

Final, finally, finalize

Static keyword,

Real time scenario of final class

Prodopt

Oops concepts and real time example?

What restful websrvice?

Public static void m1 (object obj)

Public static void m1 (string str)

Main()

m1(null) what is output?

Annotations used?

Difference between string buffer and builder?

What is synchronised?

Program to count repetition of character in string?

What changes we have to make to Employee class for adding it in hashmap?

What is multithreading

Capgemini

1.What is SQL join? Types of Join

2.Final keyword

3.IOC with Bean

4.How to create bean in Spring in application context

5.scope of bean

6.Logic of asending order sort without using library function

7.Differnce between String buffer and String builder

8.SQL constraints

9.What is Synchronization and when we use

Trinity Mobility

1.differance between Setter and Getter method

3.Spring boot Rest API program

4.annotation in hibernate

5.how to create maven project into Spring Boot

6.Differnce between Spring Boot and Spring MVC

7.hibernate program

2nd round:

1.Rest API program

Add dependencies

2. design pattern-*

3.recerse of given String

Infostretch

1. Oops concept

2.What is exception n difference between throw n throws keyword

4.What is the difference between execute , execute query and execute update?

5.What is jsp?Which are jsp implicit objects

6.What is session and session factory?

7.What is difference between spring and spring boot?

8.What is dependency injection?

9.Which is the main method to execute spring boot application?

11.What are microservices?

12.what is difference between primary key and unique key?

15.What is team size?

Mindtree

1.What is abstraction n how to achieve?

2.What are types of exception?

3.Write code for reverse each word in a given string?

4.Write code for sorting given array?

5.Why string is immutable?

6.What is view in. Mysql

7.What are the components of spring boot app?

8.Which git commands u use?

9.What is dispatcher servlet?

10.What are the joins in mysql n explain left join?

11.What is difference between jdk n jre?

12.What is difference between & and &&.

13.What is difference between pass by value and pass by reference

Mindtree

1.SQL join

2.What is global exception handaler

3.How to iterate Map

4.employee id,age,name sort it age wise

5.Stream API

6.for each loop

7.Composition and inheritance difference

8.Aggregation

9.Reverse of array

10.Differenc between rest controller and controller

11.Difference between Repository and Controller

12.Sql injection

14.Annotations in Spring boot

15.dependancy injection

17.Hibernate annotation

18.Hibernate configuration file

19.how we can save data base

20.Session Factory

21.Transcation in hibernate

22. Difference between Commit and rollback

23.Which interfaces are you used

24.Have you create your own repository

25.throw and throws difference

26.Iterator and list iterator difference

27.Filter class and method

Company: Xorient

Interviewer: Bhuvanesh

Questions:

1} What is serialization?

2) What is externalisation?

3) StringBuffer vs StringBuilder

4) What is deadlock condition?

5) ArrayList vs Vector

6) How will you do memory management?

7) FailSafe vs FailFast

Company: Forge Ahead

Interviewer: Mahendra Kombalkar

Questions:

2) How to exclude any Spring Configuration/Beans from being scanned.

3) Difference between CRUD and JPA Repositories.

4) OOP concepts, Polymorphism, Method overloading & overriding etc.

5) How to make a custom exception?

6) Which annotations you've used so far?

7) Coding problems:

7.1) String reverse program without using inbuilt methods.

7.2) Program to return the sum of all the elements from both the diagonals in N×N Matrix.

Matrix is a two dimensional array of int type. int[ ][ ] matrix;

8) Can we have only try block without any catch or finally block attached to it?

9) Comparable vs Comparator

10) How will you use Comparator without any lambda expression. What are the other alternatives to lamba expression?

Coding Question asked in Zensar interview

1. how do you write code to handle screenshot

2. how to verify button color changes after button clicked

3. print duplicate city name from dropdown list

4. java code to print repeated char for a string

Coding problems I was asked in different interviews till today:

1) String reverse without using any inbuilt/ready-made methods.

2) Return the sum of both the diagonals of any NxN matrix i.e. int[][].

3) You've given a list of Employees.

   Sort them according to their salary and age together.

        3.1) Using lambda expressions

        3.2) Using anonymous class

4) Implement all the different ways to remove duplicates from a list.

   like using your custom logic, Set, Stream API etc

5) Write a method to return the square of a number without using

   multiplication (*) operator or Math class or any inbuilt functionality.

   The input number can be an Integer or a Float.

6) Print numbers from 1 to 100 without using any loop or iterators or Stream.

Then modify the same program to print in reverse, from 100 to 1.

7) Write a code to print a given number in words.

   Number won't be greater than your expected LPA in Rs.

       input =>> 750000

       output =>> "Seven Lac Fifty Thousand"

Company name -TechBull Softtech

Question-

2) why use Spring Boot

5) Explain oops concepts

6) overloading vs overidding

7) diff abstract class and interface

8) what is exception how handle it??

9) What is finally block..

10) Can we overide static method?

11) if no why we are not able to override...

12) explain Collection framework??

13) Explain spring MVC??

14)write program for ...

O/p like that

1

2 3

4 5 6

7 8 9

Company name- Citius Tech

1. Introduction

5. Tell me oops concept all Piller with example

6. Example of hierarchical inheritance

7. Internal working of HashMap

8. One program on HashMap

9. Write query of employee table to merge two columns first name and last name for employee whose zipcode is 100,200,300..on output I just want 2 column full name and zipcode

10. How create primary key in hibernate

11. Diff controller and rest controller

12. Get and load

13. What is request body and response body

14. What is IOC

15. Session and session factory

17. What is Bean

What is controller

Types of controller

Difference between rest controller and controller

If we are using get method can we use @responsebody

Get put post patch delete methods

Why to use hibernate

Spring boot architecture

Controller and rest controller

If we have a linked list and it contains duplicate values how to remove it

And str = "abcde" str1 ="ahjdksbjcksjsejkop" if all the characters of str are present in the str1. Occurrence is not important

What is JVM

OOPs Piller

Single Inheritance

Hashcode method

Types of polymorphism

Difference between abstract class and interface
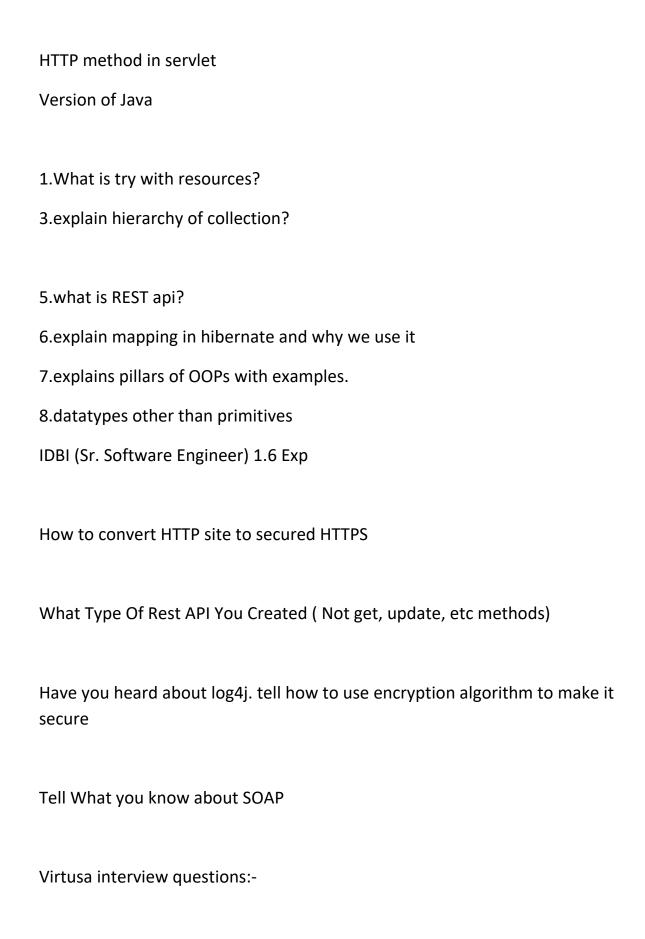
Exception Handling

Custom exception

Wrapper class

Difference between wrapper class and data types

What is Collection

Interfaces in Collection

Difference between array and arraylist

How we sort the element in arraylist

Explain Set

Difference between HashSet and TreeSet

Hashmap and Hashtable

What is JDBC

Steps in JDBC

Difference between statement and prepared statement

What is servlet

Life cycle of servlet

What is JSP

What is Spring

Annotations used in spring

Hibernate features

Cache mechanism types

@Controller and @Rest Controller

@ComponentScan

@Service

@Repository

How you come to know the application of POJO class in Hibernate

implicit objects in servlet

HTTP method in servlet

Version of Java

1.What is try with resources?

3.explain hierarchy of collection?

5.what is REST api?

6.explain mapping in hibernate and why we use it

7.explains pillars of OOPs with examples.

8.datatypes other than primitives

IDBI (Sr. Software Engineer) 1.6 Exp

How to convert HTTP site to secured HTTPS

What Type Of Rest API You Created (Not get, update, etc methods)

Have you heard about log4j. tell how to use encryption algorithm to make it secure

Tell What you know about SOAP

Virtusa interview questions:-

1) what is oops concept

2) is multiple inheritance in supported in Java if no why

3) what is interface

4) why contructor is not declared in interface

5) what is generic?

6) design a generic method

7) what is spring boot

8) what is rest api

9) what is exception handling

10) which are the types of exception do you know

11) what is controller in spring boot

Xorient solutions

for 2.1 exp

....

Encapsulation

Method overloading & overridingf

Have you work on multithreading

Diff of hashset and hashmap

Treeset?

Internal working of hashmap

@spring boot application

Advantage of spring boot

Types of dependancy injection

Humancloudtechnology: exp 2.1

2. @autowired

3. @bean

4. @sprinbootAplication

5. @data

6. diff bet @qualifier and @required

7. oops concept explain

8. diff between runtime polyphorphisam and overriding

9. example of overriding

10. program to reverse string without function

suppose if A1 array and A2 array

check A2 is subarray of A1 or not

Intellect design

Exp -1.1 year

Oops concepts

What is synchronisation

What its thread safe

Hash map tabale diff

Program on (1,9,2,3,0,5,0,7,0,4,0,6)

Print all non zero no first then all zero at one line

Join

What is mean by thread safe,

xoriant exp=2.1

String a="manish";

String b ="manish";

how many object will create

Can we hashmap in synchronisation wit multithreading

wap for revrese a String

diff.betn arraylist and linkedlist

what is restful webservices

what is URI

types of cache

how to enable 2nd level cache

explain lazy loading

diff. bet. get and load

stringbuffer and stringbuilder

method overriding

can we override static method

when we have lots of object then memory will get full .then how will u solve that issue

features of java 8,9

what is garbage collection

what are other restful webservices

what is soap

what is agile

Accenture experience 1.6 years

Interviewer 1

Tell me about yourself

What is string

Why string is immutable

How to declare string

Suppose i have string name="vijay"; then how to reverse a string

Print 3rd 4th character in string="vijay"

How to check whether character 'c' is present in the string="vijay"

Interviewer 2

 Questions all about project

Interviewer 3

Why should we hire you

Reason for resigning from previous job

Are you able to relocate

If we hire you and after 1/2 years you got another opportunity then you leave the our company or not

Queries of mysql

V2stech(2.1 years)

1.Prog to reverse String

2.Prog for Array it contain 1 to 20

replace element as "abc" who is multple of 3

replace element as "def" who is multple of5

replace element as "abcdef" who multple of by 3,5

3.Sorted map by value

4.write code for custom exception

5.write code for restcontroller

6.what is hibernate

7.Feature of java8 (Explain features and write code)

8.Mapping of hibernate

9.annotations springboot

10:how to secure springboot

11.what is @qualifire

12.Transansaction annotation

Focusing on java8 features

direction software Mumbai

1.difference between abstract class and interface.

2.why interface support multiple inheritance.

3.difference between comparable and comparator

4.how many content present in comparator

5.Explain spring MVC.

6. what is meaning of @springbootapplication

7.internal working of hashset and hashmap

Brief INTRO

1) Sum of square od odd no from array

2) Parent class has 2 methods run() & walk()

   child class has two overriden methdo of parent class

   Each class calls its super implementation

   Parent p = new Child()

   p.run()

   which methods will get called from which class and sequence

3) Why we dont avoid immutuable class in multithreading

4) Your class has private construtor and private variables

   how to access that elements without getter and setter

5) Can we override hashcode method? how and if yes, which

   method is overriden with that method

6) How to pass hashcode as an key in hashmap

7) we can pass primitive and obj in hashmap as key

   which one is good? and how

9) we have data of student in list

   firstname, lastname, rollno

   how to sort list with respective to firstname in ascending

   order and write element from 0th index in list after

   sorting

10)We create two objects of class obj1 and obj2. we call

   obj1.m1() on one thread adn obj2.m2() on anoter thread, at the

   same time. what will be the behaviour?

11)Internal working of hashmap

12) Write SQL Query for

   you have table with bookname and authorname

   select those authors who has written more than 10 books

13) Only coding scenerio questions in this round from core java and collection

Bitwise:

What are way to create string

waht are way to create thread

thread state

String program

write program to check dublicate elements is afrray

what is Jetkins

What string immputable

how to create immutable class

if we write system.exit() finally will execute?

Write lamba exception syntax

what is SOAP

if have maven java project want springboot into that. What is first step?

Where bean define

What is @autowired

what is @configuration

What is vulnerability of log4J

Xoriant 2.1

1.What is marker interface ,why we use it

2.What is volatile keyword

3.Difference between concurrent HashMap & synchronized hashmap

4.String str = new String("Abcd"); -- what will happen and where the reference will get stored

5.What is functional interface, is it necessary to use @functional annotation, wt will happen if dont used this annotation

6.why we use factory design pattern, under which category it is,

7.what is application context , why we use it ,it is class or interface

8.what is singleton design pattern , how many classes required

9.what is @ Bean ,return type of bean

10. How to expose web services

11.Why concurrent HashMap

Globallogic

1.1 year experience

1.Pass values in sorted order in list and find out perticular element and its position.

2.throw & throws

3.data structure

4.checked exception vs unckecked exception

5. Arraylist & linkedlist diff

6. Throw vs throws

7. What is growable array

Numino Lab First CodingRound Write a program to find triplet number

fore.g// int a[]={1,2,3,4,5,7}// here 1+2 = 3 is present in the array 2+3= 5 is present in the array 3+4=7 present

in the array but 3+5= 8 not present in array so write code for it.

WAP for Find string is substring of second string or not

 String s= "meeting"

 String s1="meet"

WAP to find First non repeating character from String

WAP to find Not Common From String

 String s= "nikhil";

 String s1="nitesh";

Neosoft

1.What is method validation in spring boot

2.what is custom exception in hibernate

3.can we make constructor final

4.Crete 10 thread at one time(logic use for loop to create multiple thread at one time)

5.what is difference between @inject and @autowired annotation

6. String basic example

7.how to create immutable class in hibernate

8.what is static

9.if you receive request in Jason format how you will validate that request

10.do you have knowledge about java 8

11.what is functional interface

12.what is marker interface? If marker interface is empty then why marker interface we used in java

13.write one method using lambada expression

14.what is java 8 features

15.what is microservices

16.how to immutable class in hibernate

Questions for yodlee infotech

1.What are oops concept?

2.Overloading

3.Internal working of Hashmap

4.How you are going to sort array if it's containing 0,1,1,0,0,0,1,1,0

5.What are rest API

6.Stream api

7.How to find middle elements of array if you don't know array size

8.when to use hashset

9.which method is more preferable post and get while login into system.

10.features of 1.8

Saturo Technologies:-

2.pallindrome string programme?

3.if i hava 10 lakh numbers in array then how to find duplicates?

PTC TECHNOLOGY

1) Difference between Functional programing & oops programing

2)What is the purpose of default method of interface

3) why we use Maven

4)how to create multiple thread

5)what is orm tools

6) Difference between Jpa & Hibernate

7)How to handle Global exception

8)How to create simple rest API

9)HTTP Method & Status codes

10) Basic questions on collection, opps concept

Company IDGi Cloud ***

**

*

**

*

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*

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***

4 * (x+ 3) + (y + 2) //I have this string I want it take at runtime and i want result of it suppose x=10 and y=20 iwant result of this expression

Delloite

: Reverse string w/o reverse method

Swap no without 3rd variable like temp

Conunt string char

Palindrome

: Mysql query

Fetch employees name 1st 4 char.

Salary range bet 5k to 10k

Fetch employees name upper case one

: Transient keyword volatile keyword

Jvm jdk jre difference

Join difference

Arraylist vector difference

Date method in java