Java Interview Questions :

1)What is collection ?

2)WHat is HashMap ? ANd How It's Working ?

3)How does Hashtable works ?

4)I am adding two elements in HashTable if both objects has same hashcode then what will happen ?

5)I have own class Employee and i created two objects , do i need to add any changes in employee to add it in HashMap ?

6)Whats is loadfactor in HashMap ?

7)Can you change default value of loadfactor ? Can i put loadfactor to 1.5 ?

8)Generics in Collection

9)WHat is type earaser in Collection ?

10)List of object to list of String . Is it's possible ?

10)we have String="my my name name is is mahesh mahesh" tell code to remove duplicate words from String.

11)Is Map preseve order ?

12)Concept of Stream ?

\*13)Intermediate Stream Operation \*

14)Terminology Stream Operation

15)If One employee and i want to iterate list and data of thoese employee whose salary is greater than 2000 using Stream.

16)Functional Interface .

17)WHat is difference betwwen Abstract class and Interface

18)Do you know Garbage Collection ?

19)You gives surarity to call gc() method

20)Algorithm for Garbage Collection which is used by JVM.

21)Do you know Serialization

22)Their is serial version UID ? What is serial version ID ?

23)In Database what type of queries you are used SQL or PLSQL ?

24)Have you write any custom function and procedure ?

25)Difference between function and procedure ?

26)Diff between delete and truncate

27)i have 100 records in table i want to delete only 5 record only on perticular condition. Their is employee table , employee 28)table has location table i want to delete only those employee whose employee is Mumbai

29)diff in truncate and drop.

30)EMployee is table and department table how will you create thsese table how you wll associate that tables .

31)I want to retreve count data department wise whose employee is salry greater than 20000. Give SQL Query

32)I want to create Backup table how its possible . Give me query for that.

33)Decode function in oracle database

34)MUL function in Database

35)Do you know SPring and Hibernate

36)What is lazy loading in Hibernate

37)Cache is hibernate

38)What is HQL

39)Criteria API in hibernate.

40)What is composite key in Database ?

41)WHat is primary key

42)what is unique key

43)In spring Dependency Injection

44)Diffrenec scope of Spring

45)Spring anotation diffrenece between @Controller ANd @RestController

46)In java fail fast and fail safe

47)Rate yourself in Java And SQL

Spring Topics :

Spring MVC

Spring Boot Pom.xml

Spring Bean Life cycle

Spring Configuratoin

Application contex and Bean Factory Diffrance

Hibernate Configuration

how to create Session using Hibernate

Singleton Class

Exception Prapogation

Criteria and HQL

Hibernate annotation

Spring Anotation

Restful Web Services

Annotation required for restful web services

Spring security

Validation in Spring and Restful services.

Hibernate Cache

Collection : Map, List

Collections

comparator and comparable

Interceptor

Stream API

Java Regex

JVM Architechture

DesignPattern

Virtual Machine

Type of Virtual Machine

Hardware Based VM

Application Based VM

Basic Architechture of JVM

Class Loader Subsystem

Loading

Linking

Initailization

Types of Class Loading

bootstrap class loaders

extension class loaders

Application class loaders

How class loaders works

what is the need of customkized class loader

psuedo code for customized class loader

Various Memory Areas of JVM

Class Area

Heap Area

Stack Area

Program Register

Native Method Stack

Program to display heap memory statictis

How to set Maximum and Minimum Heap size

Execution Engines

Interpretor

JIT

Profiler

Garbage collector

Java Native Interface

Complete JVM Architechture

Exception handling

Introduction

Runtime Stack

Default exception handling in java

Exception Hierarchy

Customized Exception handling by using try catch

Control flow in try catch

method to print exception handing

try with multiple catch block

Difference between final finalize and finally

Finally block

various possible combination and try catch finally

control flow in try catch finaly

control flow in nested try catch finally

throw keyword

throws keyword

user defined exception

1.8 enhancement

try with resources

multiple catch block

Lamda Expression

Functional Interface

Default methods and static methods

Pre defined Functional Interface

Predicate

Function

Consumer

Supplier

Method Reference (::)

Streams

Date and Time API

Optional Class

Nashorn javascript engine

Core Spring concepts :

XML based configuration file.

Annotation-based configuration

Java-based configuration

we mostly use java based configuration

5 Steps for Spring Microservices

1) Service Registry ( Discovery Service )

2) API GateWay

3) Cloud Config Server

4) Cloud Circuit Breaker

5) Zipkin server

<https://github.com/ajaygaikwad774/spring-microservice>

for microservices