=============Infosys=====================

In which scenario would you use Optional class?

ArrayList vs LinkedList

How HashMap works internally?

What is Singleton?

What happens if two threads try to create the Object at the same time?

Find the second highest number from an array

What will @SpringBootApplication do?

Difference bw @Component and Bean. Where to use what?

How to load profile specific application.properties file?

Find the second highest salaried employee

=============================Wipro===========================

Given a list of Employees, find

Min/Max salaried employee

Highest paid employee from each department

Active and inactive employees

Employee details working in each department

Employees count working in each department

Explain about @Configuration @Autowire @Qualifier

Internal working of REST

Create a Singleton class

Internal working of HashMap

Explain about the different features added in Java 8

Explain the use of Spring boot started parent

Diff bw @Controller and @RestController

Explain in detail about how inter-service communication between microservices can be implemented

Explain issue service discovery solves

How to implement SSO for microservices

Diff bw SOA and microservice

How do you know/validate the query which you have written is the most efficient one?

Why and when should we use Stack or Queue instead of Arrays/Lists

While reviewing the code what are the key things that you will look for?

What is the most technically challenging scenario you encountered?

======================Oracle========================================

Program to print all permutations of a String

Find the length of the longest substring without repeated characters

What happens in case of Hashmap collision?

Explain about JVM architecture

Explain about encapsulation and its significance

Questions on Stack and Queue

Create Singleton Thread safe class

Scenario based questions on String and StringBuffer

What will happen if Class A extends B, B extends C and C extends A?

Can we call any method using Null refernce?

Even though we have Garbage collection in Java why do we still face memory issues?

Scenario based questions on ArrayList, HashMap and HashTable, LinkedList, ConcurrentHashMap

New features of Java 8

Write code for different ways to iterate over a list

Remove whitespaces from a String

Transaction management supported by Spring

Questions of parent child bean scopes

Questions on different types of event listeners

Explain how does Spring enable production ready application in quick time

What is the role of Spring boot starter

What happens in the background when we run Spring application as “Run as Java Application”

Questions on IoC/DI

Various types of Autowiring

Explain AOP

Different types of Spring Advice

How to declare pointcut

AOP realtime project example

How to secure communication which involve multiple microservice calls

Is it a good idea to use database for cache?