Object-Oriented Programming (OOP) Concepts

* Explain OOP concepts.
* Differences between List and Set.

Spring Framework

* Why is Spring Boot better than Spring?
* What is Dependency Injection (DI)?
* What is autowiring?
* Types of scope in Spring.
* Explain Spring MVC.
* Explain Spring Security.
* What are Spring Boot containers?
* What is IoC (Inversion of Control) and DI?
* @SpringBootApplication
* @Service, @Repository, @Controller, @Component
* @Autoconfiguration
* How to configure server details and database details in Spring Boot.
* How to connect a database in Spring Boot.
* ORM (Object-Relational Mapping).
* How to integrate Spring Boot with microservices.
* How to inject dependencies.
* Spring vs. Spring Boot.
* Spring Boot Cache.

Exception Handling

* Types of exceptions.
* Explain the Exception Handler.
* Exception handling in Spring Boot.
* Error vs. Exception.
* Annotations in exception handling.

Database and SQL

* Differences between TRUNCATE and DELETE.
* Types of joins in SQL.
* Hibernate, JPA.

Project Discussion

* Asked to show a project and explain.
* Asked to show the project and explain the working of the application.

Java Core Concepts

* Comparator vs. Comparable.
* String vs. StringBuilder vs. StringBuffer.
* Multithreading.
* HashMap internal working.
* ArrayList vs. LinkedList.
* Largest element using Stream API.
* Features of Java 8.
* Features of Java 17.
* Functional interface.
* Marker interface.
* Record class.

Microservices

* What is a microservice?
* How to check the health and monitoring of an application.

Security

* How to manage authentication.
* Techniques for authentication.
* Security.
* Authorization and authentication.

Testing

* Explain unit testing.

Miscellaneous

* How does the run method work internally?
* Actuators.
* Asked about some annotations.

 === PART 2 ====

sort a string using stream;   
what are the https methods,   
spring security , spring mvc architucture , spring boot internal working how we are sending the request and where its is going now,   
and how to handle exception what are u using for handling the exception;   
difference b/w put and patch

work on internal working of mvc , boot , what types of exception u will be find if there is no class

what i did in spring boot

explain the projects (irctc)

@component   
@componentscan

@springbootapplication   
@autoconfiguration

some updates to do in irctc project (fare)

xml and json

what all dependies included

write accept in json and content-type in xml (Postman)

perform all post, put, delete and get in postman

what did I use maven/gradle

@springbootapplication

Filter odd elements, and then sort in reverse order

How sql connection is setup in springboot and how u do it locally in terminal

Sql select statement

difference between LinkedList and array list

what are all annotations you worked.

annotations in entity class

explain your project

produces and consumes

how do you add data in Json format and how to get back the data

how do you connect database to spring

what are the dependencies need to added while creating rest application.

@pathvariable @requestBody

what are the predefined functions you learned in Streams.

Dispatcher

Spring security authentication authorization

Streams

Oops

Filter even elements, and then sort in reverse order

Max two numbers

Functional interface

Features of java 8,17

Spring introduction

Which dependency you have added to project

Are you doing any hands-on

Annotation in spring

what is the java version you are currently using.

how much do you rate yourself in java knowledge out of 10

Explain your final year project

What are the concepts you are aware of in Core Java.

Which OOPS principle have you used in training.

Explain Encapsulation and abstraction.

Asked about Collection Framework-

Differences b/W array list and linked list.

Implementation of HashMap about internal implementation how data stores.

differences between Array and Vector.

Hash table Collision.

About Trees

What is Functional Interfaces and its types.

Streams.

what is Spring framework and Spring Boot.

@SpringBootApplication

Advantages of Spring Boot.

what are the different kinds of annotations you know in Spring Boot.

Dependency Injection

Types of Dependency Injection

How field DI can be achieved

Tell me about Spring security.

asked about oAuth & JWT

how do you config beans and where will you config them

what we studied

what are servlets

java version and what are the new features of java 17

what is record class i mentioned about mapping records also

life cycle of a servlet

what is a dispatcher servlet and explain how it works

internal working of spring mvc and spring security

what are different ways to configure Bean Classes

how does the SpringApplication.run() method do

if i forgot to add the annotation @configuration what will happen

any idea on exceptions related to beans

whats the difference between class not found exception and no class exception

program on sort the employee names using streams and if we need to sort them in reverser order what will you do

in rest what are different http error codes

how are you connecting to database and he asked how will you store logs

tell me what you know about spring jpa

what is jwt i explained quora example

 in postman where will you define json/ xml

in springboot application i am passing one variable in URL which annotation will you use

if the value is in body part which annotation you will use

if you defined the application as xml but you gave text file what will happen

what is JUnit

What is Spring AOP

what are pom dependencies to add while we working with spring application

what are scopes

tell me about Micro Services

he asked annotation used with jpa

he asked application.properties

how to connect database

how internally spring connects database with the help of application.properties

how top create log files   
while intro he asked what we studied    
in security he asked about how spring security works depedency    
how send data in xml with postman   
and how to get data from your application   
different mvc layers   
and different rest methods and when they are used

Explain the architecture of your project.

How do you share the private key?

What Design Patterns are implemented in your project?

How much do you rate yourself in java out of 5?

Which OOPS principle you have used in training?

Explain  Encapsulation and abstraction.

Functional Interfaces

Polymorphism

Asked about Collection Framework-

When do we use a Vector?

Vector vs Arrays

Linkedlist vs ArrayList

How do you implement Circular Linked list?

Implementation of HashMap about internal implementation how data stores, changes after Java 8, Why?

Hash Collision.

what is Spring framework and Spring Boot.

@SpringBootApplication, @EnableAutoConfiguration

What configurations will you make to change MySql to MongoDB?

what are the different kinds of annotations you know in Spring Boot.

Dependency Injection

Types of Dependency Injection and examples.

What are Microservices?

How do we create Microservices?

How does Microservices communicate with each other?

What is MicroFrontend?

Streams – filter all strings which has “Sen” in it.

Functional Interfaces – why do we need this?

Explain some predefined FI’s?

Lambda Expressions – Where do you use this? Uses and what were we using before?

Dependency Injections – explain what is it?

-- types, which is better by default?

-- when u use setter and constructor injection.

What all annotations

• OOPs Concepts

• Difference between Method Overloading and Overriding

• Use of static keyword

• Difference between Abstract Class and Interface

• Finding Duplicates in a List (Java)

• Advantages of Feign Client

• Exceptions in Java

• Annotations in Global Exception Handler (Class-Level)

• Difference between @RestController and @Controller

• Bean Scopes in Spring

• Default Scope in Spring Beans

• Security in Spring Boot Project

• Difference between Primary Key and Foreign Key

• Difference between DELETE and TRUNCATE in SQL • OOPs Concepts

java features, spring boot , streams , and microservices (just basic like why ) and not much about project just run it and show and annotations that's it

--> mostly asked about java and springboot

asked totally about project and asked him to rewrite some codes and he said some conditions and asked to code on it..

asked about Java, spring , spring boot, sql

asked implementation of codes

questions on Java, Spring Boot, the basics of microservices, and my project.

**asked implement one microservice in project . Only microservice implementation and some questions on annotations**