

Tell me about yourself technically

Walk me through your latest project

Tell me specifically about your role in this project

Explain the data flow

Db --> ORM framework --> exposure framework --> consuming framework

Biggest challenge

Always make this into a learning experience/positive

Explain Four pillars OOP-

String vs stringbuffer

Stringbuffer stores data on heap

String is in string pool, is immutable

Methods of stringbuffer

Append

What are exceptions, explain the different types

How do you create your own exceptions

Extend exception or RuntimeException with a new class, add new functionality

How to convert primitive data into objects

Serialization

Abstract class vs interface

Static method vs non-static method

Set vs List

Methods in both

Vector vs ArrayList

HashMap vs ArrayList

Set vs Map

What is an iterator

.equals method, hash

Tell me about java threads

Lifecycle of a thread

<https://www.javatpoint.com/life-cycle-of-a-thread>

Describe deadlock

Servlets -- how do they work, how do they receive and process requests then generate a response

How do we programmatically create a servlet

Servlet config vs servlet context

Two important method that help process a request

Forward vs redirect

What is Spring

What modules of spring are you familiar with

Explain the spring bean lifecycle

<https://www.journaldev.com/2637/spring-bean-life-cycle>

What are the different ways to configure a class as a spring bean

What are the spring annotations

Component, Service, Controller, Repository, RestController?\*

Different types of dependency injection you've used

Manual bean wiring vs autowiring

Different modes of autowiring in spring

Default, no auto wiring, set it manually via "ref" attribute. In case of autodetect – If a default constructor is found, use "autowired by constructor"; Otherwise, use "autowire by type"

From

<<https://www.google.com/search?q=autowiring+in+spring+default&rlz=1C1MK>

DC\_enUS773US773&oq=autowiring+in+spring+defaultly&aqs=chrome..69i57j0l2.3405j1j9&sourceid=chrome&ie=UTF-8>

Bean scopes

<https://docs.spring.io/spring/docs/3.0.0.M3/reference/html/ch04s04.html>

Spring MVC architecture

What does the view resolver do?

Controller vs restcontroller

Annotations that you've used in spring mvc

"What do you know about Spring AOP"

Difference between concern and cross cutting concern

How do you handle exceptions in Spring MVC

Hibernate

What is the difference between HQL and SQL

Core interfaces associated with hibernate

Session vs sessionfactory

Session is an abstraction of a db connection

SF produces sessions

What are some methods you've used with a session

Different states of a hibernate object

Default fetching strategy in hibernate

Lazy load

HQL vs Criteria

Get vs load method

Important annotations you've used in hibernate mapping

How do you handle exceptions in hibernate

How extensively have you used Junit

Annotations you've used with Junit

What is the use of the @test

@before vs @before class

Junit @RunWith

<http://www.baeldung.com/junit-5-runwith>

Can junit be used for testing your entire application

"what is your understanding of web services"

Annotation you used for SOAP web services

How do you know you've created a SOAP service

"can you explain the WSDL structure in detail"

Binding vs porttype

Explain the soap message structure

How can a client consume a soap service

How are exceptions handled with soap

How do we create a restful web service

How do you consume a rest web service from the client

What annotations are associated with REST

How do you handle exceptions in REST

REST doesn't have built in exception handling, must rely on HTTP status codes

SQL - primary key vs foreign key

What are the different kinds of joins

What kind of join allows for null values

Where vs having

Delete vs truncate

Return everyone who makes more money than john

What is the difference between stored procedures and functions

JS, JSON, AJAX, jQuery

Angular - how do you bootstrap your application; what's considered to be the entry point

Where do you declare your components in module.ts

What is a template

How do you inject your template into the view

What is a decorator

"can you talk about the HttpModule"

Microservices, pros and cons

What are the main advantages of using spring boot

How do you load changes to a spring boot app without restarting your server

Spring boot dev tools(a dependency), when you save new changes it auto refreshes

What is a spring boot actuator

Spring boot sub-project; Actuators enable production-ready features to a Spring Boot application – without having to actually implement these things yourself.

From <<http://www.baeldung.com/spring-boot-actuators>>

How do you run your spring boot app on a custom port

What is the main advantage of using microservices

Which service registry did you use

How do you enable eureka - know annotations and what goes into application.yml/properties file

What are the Zuul components

Zuul filters

What's a config server

How do you start your spring boot application with Zuul

Describe docker - replicates your production environment

Can you explain the workflow for docker

Dockerfile to create an image

Use image to create container

Can save images on dockerhub

Hystrix