Sample Java Questions:

What is your previous work experience?  
What are the 4 main principles of OOP (Object Orient Programming), and what do they mean?  
What are the main features that were added in Java 8?  
What is the difference between an ArrayList and LinkedList and when would you use each?  
How would you use a Hash in java?  
What happens during a Hash collision in Java?  
What kinds of Design Patterns have you used?

When would you use a Factory?  
What kinds of Interfaces are there in Java?  
What is the difference between Callable and Runnable?  
What is the difference between Final, Finally, and Finalize?

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How do you reverse a string?  
What Collections and Collection  have you used?  
Whether you know how to use bash?  
What is the spee of a binary search?  
Are you more comfortable with Frontend or Backend?  
What is the difference between a hashmap and a hashtable?  
How would you find a number in a string?  
Asked about regex?  
What happens after a user submits a url request to a website?  
Explain CI and CD?  
How to reverse a string in java?  
How to find the 3rd largest number in a large array?  
Difference between array and arraylist?  
Exp with  web servers?  
What AWS services have you used?  
What java data structures have you used?  
Past previous projects  
Exp with CI and CD pipelines?  
Types of OOP principles used  
What goes on in the background of a website if, for example, you type [google.com](http://google.com/) in the browser?  
Docker exp?  
Jenkins exp?

* "Tell us about your background."
* "What is encapsulation?"
* "What is polymorphism?"
* "How did you use Java in your personal research?"
* "What is the difference between an interface and an abstract class?"
* "In which situations would you use an interface over an abstract class?"
* "How is polymorphism implemented?"
* "How do you handle pressure and deadlines?"
* "What does synchronized mean?"
* "What does static mean?"
* "What is an instance variable?"
* "What is a race condition?" (This, for the record, is the only one I absolutely could not answer as I have never heard the term before, but apparently it has to do with deadlocking in multi-threading.)
* "What is deadlocking in multi-threading?"
* "How do you spin up a thread?"
* "What is the difference between Callable and Runnable?"
* "What is a challenge you had to overcome?"
* "What is a time you overcame a technical challenge?"
* "What is the difference between an array and an ArrayList?"
* "What are the different kinds of memory in Java?"
* "What is a constructor?"
* "What happens if you want to create an object and there is no constructor?"
* "What do you know about us?"
* "What is a try/catch block?"
* "How many times does finally run?"
* "How would you find out if the tenth digit of a number was even or odd?"
* "How would you find the letter that occurred most in a string?"
* "What are the advantages of Java over Python, and in what situation would you use one or the other?"
* "What is the difference between span and paragraph in HTML?"
* "What are class and id in HTML?"
* Tell me about yourself, your projects, and your educational background
* - What is your experience with Jenkins?
* - Scrum meetings experience
* - Challenges you faced leading a team
* - Do you prefer front end or backend?
* - If a client has an issue with their application or Jenkins pipeline, how would you resolve that?
* - When would you consider an issue resolved?

*Problem-solving questions:*

There were three questions, sorry I forgot two of them but they were kind of similar, like based on my previous experience.

Tell me about the situation, the problems you faced and in the future, you tried to improve that. (It can be programming or anything)

*Technical questions:*

(1) file has a list of employee names  
task: separate the duplicates  
output: new file unique employee name

(2) query database and read status of failure

generate an incident number and create an incident ticket

(3) certification application:

the app has a database and server  
pull data from app 1  
generate excel and send that to the app owner  
the app owner checks the file  
remove or update information  
reply to email and sends to operation team

How would you prevent an auto wiring of one application to the next

How would you have the different layers of your spring boot application

Are there multiple ways to configure a bean in spring application

When would you use Node JS

When would you use Java

What are some differences between java and python

When would you use React

What is the difference between spring boot and spring core

How would you set up a Spring Boot application