

Interviewed Question

daten Wissen (08/12/2024)

1. SQL find duplicate data in user table?
2. What type of dependency injection and why constructor injection are preferred
3. **Write program to reverse "Pankaj chaudhari" without using StringBuilder and StringBuffer**
4. Difference between controller and RestController
5. What is @PathVariable and @RequestParam
6. Can I get data without using @GetMapping? Can I use @PostMapping to get data?
7. In Docker, if I delete the image, then what happens? Will data be lost if I delete the volume?
8. In Swagger, does it happen at compile-time or runtime? If you run again, does it take previous or regenerate?
9. If there are 200+ APIs, does Swagger work? If yes, then how? If no, then what is the solution?
10. ArrayList in LinkedIn: If you want to search, then which data type is preferred? And for deletion and insertion, which data type is used and why?
11. What is a RESTful API?

ReBit (21/06/2024)

1. Difference between HashMap and Hashtable
2. Difference between == and equals method
3. Find missing number and find duplicate number
4. **How to add element in HashMap**
5. @Data annotation in Spring Boot
6. Define repository method to get data

WebOsmotic: (10/01/2025)

- Introduction
- Java 8 feature
- What is lambda function
- What is stream API
- What is a functional interface
- What is abstraction how to achieve
- What is encapsulation and how to achieve it
- How to achieve polymorphism
- What is the diff between string StringBuilder and StringBuffer
- What is threadsafe and how you achieve threadsafey what are the ways
- What is an equal method if you want to compare employee object how you compare
- What is comparable and comparator and its method
- What are collections in Java
- What are interfaces in the collection
- Which is set and diff between list and set
- Diff between array and list or ArrayList
- What is hashmap
- If you have to sort objects how you you do
- What is join and explain each and its different
- If you have to optimized query how you od
- What is indexing
- What are aggregate function
- What is spring ,spring boot diff
- What is dependency injection di
- What is DispatcherServlet
- Which java version you used

Program on longest uniq String aabaabbacd
Remove duplicate and print length

Taodigital(by ravi 11/1/25)

- how many ways to can print in console
- why arrays start with zero index in short
- what are the advantages and disadvantages of object cloning
- describe the java io and new io
- Http Status code and

As an example, if the first string were ADOBECODEBANC and the second were ABC, the answer would be BANC.

ncricle(16/01/25)

1. What is the difference between abstraction and encapsulation?
2. Why do we use encapsulation to hide data?
3. Why is multiple inheritance not supported in Java?
4. What is composition in Java?
5. Write code using a `try-catch` block to catch a runtime exception.
6. What is the difference between `TreeMap` and `HashMap`?
7. When should you prefer `TreeMap` over `HashMap`?
8. Can we store `null` as a key in `HashMap`?
9. What are the types of collections in Java?
10. What are the benefits of inner classes?
11. How can we test a static method in JUnit? Provide a concise explanation.
12. Program:

Given a string, write a function that returns the longest substring without repeating characters. Example: For the input string "abcabcbb", the output should be "abc", with a length of 3.

L & T(1/16/25)

What are the APIs that you work on?

1. What is the latest version of Spring?
2. What are the features of Java 8?
3. What is the `static` keyword in Java?
4. What is a `static` block?
5. How to implement a custom exception?
6. When to use an exception and when to use a runtime exception?
7. What is the difference between checked and unchecked exceptions?

8. Is `ArrayIndexOutOfBoundsException` a runtime exception?
9. What is a lambda expression?
10. Implement a simple Java program using a lambda expression.
11. Why do we use the `this` keyword in a class?
12. Why do we use the `@FunctionalInterface` annotation?
13. What is AOP (Aspect-Oriented Programming), and where did you use it?
14. What is the difference between the 401 and 403 error status codes?
15. What is the difference between `Comparator` and `Comparable`?
16. What is `.orElse` in Java?

find maximum occurring character in string

myNextHire(20/01/25)

Problem Statement:

Given a string, find the first character that does not repeat. If all characters in the string repeat, return `-1`.

Examples:

1. Input:
`"swiss"`
Output:
`'w'`
2. Input:
`"aabbcc"`
Output:
`-1`
3. Input:
`"leetcode"`
Output:
`'l'`

Notes:

- The string contains only lowercase English letters.
- The maximum length of the string is 100 characters.
- Solve the problem in one pass (i.e., traverse the string only once).

Interview question LinkedIn(java spring boot)

1. How to use Lambda expressions and Stream API in Java?

Follow up:

Can you write a simple example where you filter a list of numbers and find the sum of even numbers using Java Streams?

2. What is the difference between synchronized and volatile in Java? Can you give an example of when each would be used?

3. Can you explain how Spring Boot's auto-configuration mechanism works? How does it help developers to quickly set up an application?

4. Can you explain the concept of Dependency Injection (DI) in Spring? How have you used DI in your Spring Boot applications? Can you give an example of constructor-based DI and setter-based DI?

5. How can you expose RESTful services in Spring Boot? Can you walk me through creating a simple REST API with a GET and POST method?

6. How to secure a Spring Boot application? Can you explain how you would use Spring Security for user authentication and authorization? Can you describe an example where you configured role-based access control?

7. How to deploy a Spring Boot application to an AWS EC2 instance?

8. Can you explain how AWS S3 works? How to use it in a Spring Boot application to store and retrieve files?

9. Can you explain how Maven manages the build lifecycle of a project? What are the main phases of the Maven lifecycle, and how have you used them in your projects?

10. How does Maven handle project dependencies? Can you explain how you manage version conflicts with Maven?

11. What are Maven profiles and plugins? How do you use them to customize builds for different environments or purposes?

12. How to write unit tests in Java using JUnit? Can you provide an example of a simple unit test for a Spring Boot service method?

13. Can you explain Test-Driven Development (TDD)? How have you applied TDD in your Spring Boot projects, and what challenges did you face while writing tests before the implementation?

AUTOMATIONTESTING

1. Can you explain a try-catch block with finally? What happens if an exception is thrown inside finally?

2. How does the String class differ from StringBuilder and StringBuffer?

3. Can we overload constructors? Provide an example.
4. Can we inherit constructors in Java? Why or why not?
5. Write a class with private variables and public getter/setter methods.
6. Can an abstract class implement an interface? Provide an example.
7. Write a program to find and count duplicate characters in a string.
8. How do you prevent memory leaks in Java applications?
9. Write a script to log in to a web application with a username and password, then verify the user has logged in successfully.
10. Write a script to select a value from a dropdown using the Select class.
11. What are implicit and explicit waits in Selenium? How do they differ?
13. Write a TestNG test suite to verify the login functionality of a website

Interview ask programs:

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5. Given a string, write a function that returns the longest substring without repeating characters. Example: For the input string "abcabcbb", the output should be "abc", with a length of 3.
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Examples:

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Output:
'w'
5. Input:
"aabbcc"
Output:
-1
6. Input:
"leetcode"

Output:

'1'

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