

Brief introduction about yourself.  
Rate yourself in Java bet 1-10  
Encapsulation definition  
Runtime and compile time polymorphism  
this keyword  
Static keyword  
Final keyword  
Throw and throws difference  
Arraylist and linkedlist diff  
Hashmap and hashtable diff  
2nd Highest salary from emp table...

## Technical Questions (Second Round)

1. Tell me about yourself.
2. Explain your project
3. Annotations in project
4. Diff of Array and List
5. Swap Numbers without third variable..
6. one puzzle
7. one sequence Aptitude related
8. Sorting program.
9. try catch finall...

Join queries  
Prime number  
Factorial  
String reverse  
What is constructor?why we use it?  
Can we declare private constructor and why?  
Abstract class vs interface?  
Abstract ,static,final keywords?  
What difficulties you faced in project? How you overcome it?  
Exception handling?

- 1)project
- 2)explain one complete flow of a api to get list of objects
- 3)Hasmap along with its internal working
- 4)Hashcode
- 5)bytecode
- 6)garbage collector
- 7)types of garbage collector
- 8) working of garbage collector
- 9)static initializer block
- 10)constructor
- 11)how to run spring app without ide like sts or NetBeans

Comparable and comparator  
Project flow  
Exceptions  
Queries regarding joins and clauses  
Springbkt  
Program to print pyramid of numbers  
Reverse array program

Collections  
Data structure algorithm

Serializable interface  
Project - project flow  
3rd largest element program  
Access specifiers  
length vs length()  
Ascii value  
Exceptional handling- try catch finally flow....  
If exception occurs what will be happen in this blocks.  
How you connect database with the springboot?  
How your frontend and backend connected?

what is join  
what is self join  
polymorphism with example  
print repeating variable from string  
print the all variables count from string

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### Technical Questions (Second Round)

1. Tell me about yourself.
2. Are you comfortable with Dot net core ?
3. Oops Concepts.
4. Do you know multithreading ?
4. What is CLR ?
5. Have you used C# ?
6. Why you joined CDAC?
7. What are you...

- 1) project
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1. Introduction
2. Rate yourself in java and springboot
3. what is synchronization
4. what is stringpool
5. what is polymorphism
6. 2 simple code array reversal , remove duplicates from string
7. difference between instance variable and local variable class variable
8. what is drop ,truncate,delete in sql

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### Technical Questions ( Second Round)

1. Tell me about yourself.
2. Why you chose CDAC ?
3. Explain your project.
4. Tell me about flow of your project.
5. Tell me about your academic projects.
6. What was your role ?

#### Technical Questions ( Second Round)

1. Which language are you comfortable with other than Java ?
2. There was first module COP & OS .Are you aware about OS concepts?
2. Which OS do you used ?
3. What is Registry ?  
have you used?
4. What is Service?

- About Yourself
- Describe Project
- What is @RestController.
- Difference between Spring and Spring boot.
- Describe Spring Key Component.
- What is Actuator in spring boot.
- How to change port number.
- Do you have any questions.

#### -----Second Round -----

- About Yourself.
- How to authenticate users in your project.
- What is Starter-web dependency.
- Described Dependency Injection.
- What is Session Management and how to use it in your project.
- Why use MySql in your project.
- Describe all the language of MySQL.
- Describe all types of joins.
- u have 2 table a and b. If u want to all the data of the left table and show the match data of the right table. What is the best join for this condition?.
- Described Partioning?
- Described Primary and Foreign key

[5/18, 3:01 PM] Sudi: 18 min hi hua  
 [5/18, 3:01 PM] Sudi: Tell me about yourself  
 [5/18, 3:01 PM] Sudi: Hobies  
 [5/18, 3:01 PM] Sudi: Why we switch mba to technical  
 [5/18, 3:01 PM] Sudi: Collection framework in java  
 [5/18, 3:02 PM] Sudi: Linkedlist arraylist  
 [5/18, 3:02 PM] Sudi: Hash map hadh table  
 [5/18, 3:02 PM] Sudi: Spring boot  
 [5/18, 3:02 PM] Sudi: Project related questions  
 [5/18, 3:02 PM] Sudi: Dependencies  
 [5/18, 3:03 PM] Sudi: Connection of database

#### Java Basics

- Q)what is difference between JDK,JRE and JVM  
 Q)what is JIT compiler

Q)what is class loader  
Q)Explain various memory logical partitions  
Q)what gives Java its "write once and run anywhere nature"  
Q)Explain History of Java?who invented Java?  
Q)what was original name of Java?why it was renamed?  
Q)List features of Java  
Q)List various Datatypes in Java  
Q)what is difference between  
System.out.print  
System.out.println  
System.err.print  
Q)How is Java Platform independent  
Q)what is bytecode?How is it different from machine code  
Q)what is difference between Jar file & Runnable jar file  
Q)what is difference between Runnable jar file & exe file  
Q)How is C platform dependent language  
Q)what is difference between path & classpath

## Java OOPs

Write a Java Program to reverse a string without using String inbuilt function.  
Write a Java Program to swap two numbers with using the third variable  
Write a Java Program to count the number of words in a string using HashMap  
Write a Java Program to iterate HashMap using While and advance for loop  
Write a Java Program to find whether a number is prime or not  
Write a Java Program to find whether a string or number is palindrome or not.  
Write a Java Program for Fibonacci series.  
Write a Java Program to iterate ArrayList using for-loop, while-loop, and advance for-loop.  
Write a Java Program to demonstrate explicit wait condition check.  
Write a Java Program to open all links of gmail.com.  
Write a Java Program to find the duplicate charac...

Explain self-referential structure? Explain its need?  
List out the areas in which data structures are applied extensively?  
Write binary search algorithm with and without recursion?  
Explain the data structures used to perform recursion?  
How to write a program to implement merge sort?  
How to write a program to implement quick sort?  
Sorting is not possible by using which of the following methods? (Insertion, Selection, Exchange, Deletion)  
Explain stack? Which are the applications of stack?  
Convert a given infix expression into postfix and then evaluate it. (Write code)  
Explain queue? Which are the types of queue?  
Explain the queue full condition for circular queue?  
Write in brief the method to implement two stacks using sing...

## JAVA

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- 1) MULTI-THREADING
- 2) COLLECTION FRAMEWORK
- 3) EXCEPTIONAL HANDLING
- 4) BASIC CONCEPTS
- 5)

=====

MYSQL:

=====

- 1) TRIGGERS
  - 2) NORMALISATION
  - 3) INDEX
  - 4) JOIN
  - 5) DDL,DML,DQL,TCL BASIC COMMANDS
- =====

DATA STRUCTURE :

=====

- 1) ITERATION
- 2) INSERTION
- 3) ARRAY VS LINKED LIST
- 4) TIME AND SPACE COMPLEXITY
- 5) MERGE SORT & QUICK SORT
- 6) WHICH DATA STRUCTURE YOU WANT TO USE AND WHY?
- 7) LINEAR SEARCH VS BINARY SEARCH

\* PRACTICAL QUESTIONS \*\*

=====

First self intro  
Then ur preferred language.  
Tell about pillars of oops java  
polymorphism  
Abstraction  
Inheritance  
Encapsulation  
Give examples  
Tell me output of particular code  
Tell about sql languages  
Difference between the types of sql languages.

Coupa interview questions 10 am. :-

1. Do you want to mention anything that you forget to write on resume or want to tell extra not written on resume
2. Introduce yourself
3. what is web programming technology or web development
4. What is oops ?
5. What is abstraction
6. What is encapsulation
7. What is use of inheritance need of inheritance
- 8 . Overloading and overriding

9. What is polymorphism?
10. What is access specifier need
11. Why friend function as there is inheritance
12. What is ...

Intro  
Project  
Transaction Management  
Session  
Scope  
Prototype  
Bubble Sort  
Authentication & Authorization in Project  
Technical flow of Project  
Logical question on DS  
Copy constructor  
Thread life cycle  
Abstraction & Interfaces  
Default Methods  
Stream API  
Object Cloning  
Marker Interface  
AOP

- 2 What is components?
- 3 What is html mount?
- 4 Lifecycle of react?  
Initialisation-created(variables create) and mounted(html css mount on browser), service, destroy  
(unmount)
- 5 how to debug code of react?
- 6 what's new in ES6 ?
- 7 let var const difference?
- 8 where browser store variables...

Introduction  
Project and role in project  
What is the main logic in project?  
Find the duplicate no. From given array And from string  
Rate your self in data structure  
Stack  
Linked list  
Tree  
Collection  
Overloading and overriding  
Abstract class and interfaces  
Deadlock  
Set

- 1)Introduction
- 2)Your role in Project
- 3)JavaScript functions
- 4)React.js
- 5)Array problem

Given an array `arr[]` consisting of  $N$  positive integers, the task is to find the sum of all

the array elements required to be subtracted from each array element such that the remaining array  
...

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Given an array arr[] consisting of N positive integers, the task is to find the sum of all  
the array elements required to be subtracted from each array element such that the remaining array  
...

About Project  
Array Programs  
Programs for linked list-  
insert the element, get the element  
sql queries  
bubble sort

- 1)Introduction
- 2)Your role in Project
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- 4)React.js
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Given an array arr[] consisting of N positive integers, the task is to find the sum of all  
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OOPs concepts  
Exception Handling  
Collection Framework

## Java 11 features

Spring Framework  
Spring Boot  
Annotations  
Rest

Database  
MySQL queries  
Keys  
Joins  
Indexes

Data Structures  
Stack  
Queue  
LinkedList -implementation

## Logical Coding Questions on String

2nd round me pura react pe hi pucha tha aur bhout sare changes karvaye hamsey front end react key program me

1st round --> all about DB, group by clause, having , aggregate function rules, Dom, ORM. Etc

2nd round --> project flow

1. Intro, 2. Technical flow of project, 3. how database connectivity done in table, 4. relationship between table in project, 5. Given some modifications how you can apply in project, 6. trigger, 7. view, 8. questions on nodejs, angular and jQuery, 9. basic oops questions, 10. query for table join

mere project me 1 array me values generate kiye they jo automatically generate hotay they , so uski alternate method batao bola o ( map say use kiya , maps say method say automatic value generate kiye , functions write kiye , route q use karatey hai, features react , basics questions on react why we ...

1st round -> all core java, code - 1. overloading 2. Overriding 3. String reverse 4. sorting 5. string same latter eliminate

3. All about db alter and like

2nd round - project work, what is your role or full code explanation

Intro, First asked me to explain the project .. My project was on bank so he asked me about the transaction logic part.. validations in the project.. Then SQL ( types of joins, triggers, stored procedures and functions, views , indexes and its types, Rollback, need of index) then asked me if know angular I said no, ...

Round 2.

01. He told me on all Technologies they are using inside. It was a long speech. More than 20 were mentioned ( At the end of 1 hr , he asked me please recall all those technologies that i told u that we are using ).

Complete 1 hr was only on project. From line to line was asked related to my project.

01. First he asked me the entire flow.

02. MVC pattern

03. Singleton

04. Data flow of my project.

05. What was my role.

I told fullstack of Admin side.

06. Backend of my project each and everything. At the end we use structs in industry. How much time you will take learn that.

07. Databases of my project.

Was asked lot on relationships.

08. Frontend : doctype , various input types. Lot of questions on react, almost complete react. Do u h...



1st Round. ( CS ) Rakesh

01. Introduce yourself (only cdac)

02. You mentioned mini projects. Explain each one in detail.

03. Tell features of each technology u used in project.

04. Reverse an array. In output not only elements but also square brackets should be printed.

05. 4 to 5 snippets on overloading and overriding were shown. And guess the output.

06. What is polymorphism. Types.

07. What is static and dynamic binding.

08. Where you should use method overloading and method overriding. Explain with example.

09. Collection

10. Collection framework.

11. When you should use arraylist and Linked list. Tell the similarity and difference between two.

12. Which ds you have used in your project.

13. What is HashSet. How it internally works.

14. What is HashMap. How it internally works.

15. Then...

Creadit Suisse

Round 1

-Introduce yourself

-Explain flow of your cdac project

-Explain one functionality along with code

-explain Bubble sort along with code

-Then they gave me one scenario like there is 1000 number but some of the numbers are duplicate how you will find those numbers along with worst complexity and worst complexity should be as low as possible

-then they gave me another scenario for query(mysql) that there are 2 person's names are duplicate in table but we don't know how many times this names are present in that table so u have to find that 2 names how will u find?? Write query

-you have any questions for me

Round 2

-Introduce yourself

-about family

-all your achievements

-Explain flow of your cdac project

-then they gave scenario for codin...

basics Database

Core java.

Query

What is constructor

Method Overloading overriding diff

Swapping program

Project run karne bola.

Types of Access Modifiers

private protected diff.

In project where you applied exception handling.... validation...

MVC Architecture

Project dikhane ko bolo bhi to coding kholke mat baitho

[9:33 pm, 19/12/2023] SAMARTHYA MISHRA: Types of Exception

Clauses in DBMS

Write Trigger query

@Transactional

@Query annotation

Explain project in detail

Inner Join

Outer Join

Difference between DAO and Model class

Explain MVC

Why we use springboot instead of servlet jsp

Diff primary key foreign key.

Clauses in select statement

Basics query

Set operator

How to define primary and foreign key

Difference between union union all operators

Panel 5

Introduction.

Whitebox testing

Black box testing

Who do what: System testing & unit testing and in which testing method.

Diff between structure & class.

Oops concepts

What is inheritance

Two snippets

What if we declare method as static.

Project

Contractor overloading

Acid property

Stored procedure

Between in mysql

Operators in mysql  
Construction can be final or not.  
Swapping of two variables without third variable  
+spring boot with project explanation dependency injections  
@outwired keyword hole concept  
Loose coupling  
Intro  
Project  
Details of project  
Fav subject select properly - Ds  
Linear - non linear  
File structure - storage structure  
Types of linear and non linear  
Diff array and linked list  
Deque  
Stack  
Every time they asked where can u use them  
Tree  
Graph define it and where can u use  
Bfs vs dfs  
Binary tree element count program  
One sql query

Introduction  
Java  
All projects from before  
Major project  
JSP  
Spring boot  
C  
C++

Intro  
Project  
Explain in detail  
Challenges in project  
Code for Read any file from your pc and print matter in console  
Write a algo for reading last 10 line from file in less run time.  
Why should i hire you

There were two interviewers:  
Intro  
Project(They went deep in project)  
Asked basics about  
HTML,CSS,Bootstrap,front end technologies  
Favourite Subject- Java  
How can you implement Testing in project  
Explain more about testing?  
Explain details of automation testing,API testing  
Can you relocate?  
Explain about your learning attitude  
At last asked a puzzle,I gave almost correct answer (they were satisfied) but they again asked further optimised solution

JAVA

Introduce yourself.

Explain OOPS concepts.

In how many ways Strings can be created ?

What is SCP ?

Why Strings are immutable ?

What if string class was mutable ?

List all the Thread-safe classes in java.

Life Cycle of Multi-threading.

Why are wait, notify a...

Difference b/w Callable and PreparedStatement.

What is difference b/w Spring and SpringBoot.

Which modules of Spring have you used in your project ?

What is DI ?

What is AOP ?

Difference b/w JSPs and Servlets ?

What is the work-around for Annotations ?

HTML/CSS/JS/jQuery/Angular

What is t...

JAVA

Tell me something about yourself.

Does Java support multiple inheritance ?

Why java does not support multiple inheritance ?

Is there any work around to have multiple inheritance ? How ?

How to access Private members ?

What will be the output of the below code ? Explain ...

1. Tell me about yourself.
2. What was your Project
3. What was your role in the Project
4. What technologies you have used in Project
5. Technologies: If you tell Backend
6. He will ask you the question based on Spring boot(like annotations, applicationContext, etc..) and Hibernate Technolog...

Max questions on proj.

Then spring boot

Why use spring boot

Benefit of spring boot

Why u not write code only in Java

What is dependency

What is jar file..

Explain of dependency over jar file..and there pros & cons

Which part u familiar with DSA

Explain array

Explain linklist

Which one is better array or linkl...

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TIAA L1 questions: Brief introduction about yourself.

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BOA-

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