

Training Interview Questions

Interview Questions

- **Company: 99x**
 - Describe yourself
 - About 99x and their technologies
 - Explain object-oriented concepts
 - Experience with Database/JavaScript
 - Details of your projects
 - Experience with group projects
 - Difficulties faced in group projects
 - How to send a request to a web server?
 - Questions on PHP
 - About university life and teamwork
 - Questions about extracurricular activities
 - Questions related to problem-solving in real life
- **Company: Atrenta**
 - Basic data structures, sorting, searching, and optimization
 - Some IQ questions
 - Questions on C/C++
- **Company: IBM**
 - Describe yourself
 - Focused on checking attitudes and confidence
 - Internships only for network and systems side
 - Details regarding projects
 - Questions regarding their company (ATM network, etc.)
 - About academic work
 - Extracurricular activities (sports, medals, certificates)
- **Company: IFS**
 - 15-minute interview with training manager
 - Knowledge about the company and reasons for joining
 - Proceed to technical topics
 - Core concepts (OOP, design patterns, data types)
 - Details on class, object, encapsulation, static methods, and variables
 - Java Servlets, platform independence
 - Normal forms in databases, Java threads
 - Projects you have done, expect questions on them
 - Interest in the latest technology (e.g., Android)
- **Company: IronOne**
 - Describe yourself
 - Aspirations and career goals
 - Explain OOP concepts, overloading, overriding
 - Details of your projects
 - Challenges faced and how you handled them in group projects
- **Company: Metatechno Lanka**
 - General questions about myself and interests
 - Asked to write and explain a simple algorithm
- **Company: MillenniumIT**
 - Describe yourselves
 - Explain about virtual memory
 - Heap-sort algorithm
 - About projects you have done
 - About CSS and software engineering concepts
- **Company: Motorola Solutions**
 - Expectations from the industrial training
 - About the company
 - Knowledge about C programming and Java
 - Hardware-related stuff (e.g., PIC, FPGA)
 - Describe cross compiling
 - Confidence to handle an individual project
 - Extracurricular activities
- **Company: SimCentric**
 - Two sections of interviews: technical and general (IQ)
 - Pointers, Data Structures, OOP concepts using examples
 - Recursive program (for a given problem)
 - Explanation of involvement in projects
 - Technical stuff covered in courses and their usage
 - Extracurricular activities
- **Company: SimCentric (Second Entry)**

- Explain yourself
- Check CV and ask about projects
- Object-Oriented Programming concepts and major concepts
- Types of Polymorphism
- Data structures known
- Differences between array and array-list
- Differences between vector and array-list
- How to implement a Queue using Stacks
- Code to reverse an array
- About java collections
- Differences between C and Java
- Multi-threading
- Java exception handling
- Finally block
- Multiple inheritance in Java
- Types in thread creation
- Working in a group when the other member isn't performing
- Willingness to learn C++
- Mathematical questions like differentiation
- Methods used in Stacks and Queues
- Extracurricular activities
- **Company: Proavos**
 - About Computer Networks - is HTTP stateful or stateless
 - About OOP concepts (Difference between procedural programming and OOP)
 - About currently doing projects
 - Database (e.g., Normalization)
 - What is Test Driven Development (TDD)?
 - About a recent project you have done, technologies & techniques used, and time management
- **Company: Proavos (Second Entry)**
 - Written test questions:
 - Describe OOP concepts along with design patterns
 - Which one ensures code maintainability? (code refactoring, code reusing, etc.)
 - Write a Java Code to find Palindromes in an Integer array
 - Write a Java code to find the maximum adjacent value pair from an ordered list
 - Explain user class diagrams, System sequence diagrams, etc.
 - Explain database normalization
 - How to increase the performance of a web application
 - Differences between mobile applications and web applications
 - Java garbage collection
 - Java exception handling
 - IQ question: Two baskets of 5 litre and 3 litres and infinite water supply. How to measure 4 litres?
 - Interview questions:
 - Introduction about yourself
 - Questions based on Java OOP
 - Questions from the written test
 - Software projects done recently
 - Database questions (JDBC)
 - Why you chose Proavos?
 - Hard times in university life?
 - Interests and hobbies
- **Company: ShipXpress**
 - Basic Java with OOP concepts
 - Database system
 - IQ and questions from day-to-day life
 - Algorithms and was asked to write a Java code
 - HR interview: myself, why you want to join, hobbies
 - Technical interview: what is a class, advantages of objects, basic OOP concepts, difference between interface & abstract classes, use of abstract class, MySQL queries & how to connect MySQL from console, Android life cycle, Describe some projects in CV, how to sort 5 strings, how to print 5 strings in an ArrayList (best way), do you like web or mobile, rank your Java knowledge out of 10
 - Myself, About company and shipX products
 - Technical: Java String, Final keyword, OOP concepts, Basic MySQL queries, Projects in CV (my contribution)
- **Company: Unicorn**
 - About OOP Concepts (they are using C# language)
 - Asked to write and explain a simple algorithm
 - Asked to draw and explain a simple ER diagram
 - Asked to write a simple MySQL query
 - About database projects
 - Some IQ questions (e.g., reverse an array without using another array)
 - JAVA projects which we have already done
 - Basics Software Engineering (e.g., waterfall method)
 - About leaderships (school & university) and awards
 - Extracurricular activities

- **Company: Unicorn**
 - Different between interface and abstract class
 - What are the Java collections
 - What is JDK and JVM
 - Final, finally, and finalize keyword
 - Static keyword
 - Example ER diagram
 - Ispalindrome pseudo code
 - Polymorphism example
 - About projects
 - MySQL
 - About Microsoft SQL Server
 - About company
 - About JS, Angular JS, and other JS types
- **Company: Virtusa**
 - OOP concepts in Java, Java programming, ER diagrams, and MySQL
- **Company: WSO2**
 - How to count the unique number of strings from a String Array
 - The functional pointer in C
 - How to do polymorphism using PHP and explain the projects (RESTFUL PHP Applications)
 - They preferred to ask questions about your projects rather than asking the theory
 - Difference between MongoDB and relational DBMS?
 - How would you implement OOP concept in C?
 - String copy in C
- **Company: WSO2 (Second Entry)**
 - Questions about Data Structures
 - Convert a Queue to Stack
 - Swapping two numbers
 - Find the missing number in a series
 - Difference between HTTPS and HTTP
 - What is SSL
 - About Software Design patterns
 - What are the OOP principles
- **Company: WSO2 (Third Entry)**
 - Brief yourself
 - Explain about your GSOC project
 - Some questions about the project
 - Any questions for him
- **Company: Codegen**
 - Brief introduction about yourself
 - What are the basic OOP concepts?
 - Difference between abstract class and interface
 - What is polymorphism?
 - What is normalization in database?
 - What is foreign and primary key?
 - Example question of student table and department table mapping
- **Company: Codegen (Second Entry)**
 - Myself (family + school background + about u + current projects + etc..)
 - Problems from the paper u wrote
 - OOP concepts
 - Explain OOP using an example (e.g., vehicle)
 - What are 2 kinds of polymorphism. explain
 - How to use threads (2 ways for it)
 - 2 types of synchronization
 - Data structures
 - What is the difference between vector and ArrayList
 - Find the mode of a comma-separated value series
 - Explain a project you have done
 - Database questions like primary key, foreign key, composite key, unique
 - Student register for Courses, what are tables needed, what are primary keys there
 - How to get the NICs of Students who haven't registered for any course (write the query)
 - Exception handling. try catch clauses
 - Can we have a try without a catch
 - Finally block, Final, finally, finalize explain
 - IQ questions, u have enough water. 5L and 3L bottles. how to measure 4L from it
 - What is the capital of America
 - About Codegen. why you want to join

Sysco LABS

- Describe yourself
- Explain a challenging project you worked on
- How do you manage deadlines?
- What do you know about Sysco LABS?

- Using stack perform enqueue and dequeue functions.

IFS Sri Lanka

- Write a code that calculates and prints the average of odd numbers from an array
- Explain the difference between interface and abstract class
- What are design patterns?
- How would you optimize a database query?
- Why are you joining IFS?

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- What is polymorphism in OOP?
- Describe a time you worked in a team
- Explain the software development lifecycle

WSO2

- How do you implement a queue using stacks?
- Explain the concept of RESTful services
- Describe a project where you used Java

Dialog Axiata

- What are your strengths and weaknesses?
- How do you handle stress?
- Describe a time you faced a difficult technical problem

Virtusa

- What are the principles of OOP?
- How do you handle a situation where a team member is not contributing?
- Explain the MVC architecture

Creative Software

- What programming language are you familiar with?
- How to program a Fibonacci sequence in Java?
- Describe one of your best projects
- Can you describe a challenging programming problem you faced in a previous project and how you went about solving it?
- Solve a coding problem, such as reversing a string or finding the shortest path in a graph
- Object-Oriented Programming (OOP): What is encapsulation, inheritance, and polymorphism in OOP? Describe the SOLID principles in software design. Explain the difference between an abstract class and an interface. What is a design pattern, and can you give an example?
- System Design: Design a URL shortening service like Bitly. How would you design a distributed file storage system? Explain the client-server architecture
- CORE JAVA, Spring Boot, and Spring Framework

LSEG

- Technologies you have worked with
- Questions on OOP & OOD fundamentals
- What are the projects that you have done so far?
- Ask about MERN stack and why MERN stack is better
- SQL, Linux, Stock Exchange process
- Logical questions
- Programming literacy
- Write code to check whether the array is symmetric