

Mock Interview Sheet-1 (Easy Start-UP) Infy

To effectively prepare students for the Infosys Technical and Behavioral Interview rounds, a mock interview practice sheet is an invaluable tool. Here's a structured sheet combining both types of questions, along with tips for students:

Infosys Technical & Behavioral Interview Practice Sheet

Instructions for students

- Treat this like a real interview: Answer each question aloud, as if speaking to an interviewer.
- Be concise and articulate: Aim for clear, well-structured responses.
- Showcase your thought process: When answering technical questions, explain your approach, even if you can't immediately provide the perfect solution.
- Use the STAR Method for behavioral questions: Structure your answers by describing the Situation, Task, Action, and Result of a relevant experience.
- Be honest: While it's okay to highlight your strengths, be honest about your weaknesses and discuss how you're addressing them.

I. Technical interview questions

Programming language (Choose one: C++, Java, Python)

1. Explain the four pillars of Object-Oriented Programming (OOP) with examples.
2. Differentiate between method overloading and method overriding.
3. Explain a constructor. When is it called?
4. Write a program to reverse a given string without using built-in string functions. [Naukri.com](https://www.naukri.com)
5. What are the differences between an abstract class and an interface?

Data structures and algorithms

1. Explain the difference between an array and a linked list.

2. How does a binary search algorithm work? What are its time and space complexities?
3. What is a stack, and what are its applications? How can you implement a stack using queues?
4. Write a function to detect a cycle in a linked list.
5. Explain the Breadth-First Search (BFS) algorithm and its use cases.

Database management systems (DBMS)

1. What is DBMS, and what are its advantages over traditional file systems?
2. Explain the ACID properties in DBMS.
3. Differentiate between DDL, DML, and DCL commands with examples.
4. What is normalization? Explain different normal forms.
5. Write an SQL query to find the second highest salary from a table named `Employees` with columns `ID`, `Name`, and `Salary`. [AmbitionBox](#)

Operating systems and computer networks

1. What is the difference between TCP and UDP?
2. Explain the OSI model and its seven layers.
3. Describe the concept of virtual memory.
4. What is the difference between IPv4 and IPv6?
5. Explain the difference between a hub, switch, and router.

II. Behavioral/HR interview questions

1. Tell me about yourself.
2. Why do you want to join Infosys? What motivates you to work for our company?
3. Where do you see yourself in five years?
4. What are your strengths and weaknesses?

5. Describe a challenging situation you faced and how you overcame it.
6. Are you a team player? Provide an example of when you worked effectively in a team.
7. How do you handle work pressure or tight deadlines? Give an example.
8. How do you ensure you are continuously learning and adapting to new technologies?
9. Describe a time when you had to take the initiative or demonstrate leadership.
10. Do you have any questions for me?

Tips for preparing your students

- Provide feedback: Offer constructive feedback on student responses after they complete the practice sheet.
- Encourage research: Students should research Infosys's values, mission, recent projects, and work culture to tailor their answers.
- Suggest mock interview partners: Practicing with peers or mentors can help build confidence.
- Focus on explanation: Remind students that providing clear reasoning is as important as stating an answer.
- Emphasize real-life examples: Encourage students to use specific experiences and quantify results using the STAR method for behavioral questions.
- Highlight communication skills: Remind students to speak clearly, maintain eye contact, and listen actively.

Good luck to students in their interviews!