## Intro

"Good evening, sir. My name is XYZ. I am currently pursuing a B.Tech in Computer Science and Engineering from Harcourt Butler Technical University, Kanpur with an aggregate of 800000 CGPA. I have completed my intermediate education from ABC Academy with an aggregate of 938000%. I am from Gorakhpur. My technical skills include Data Structures and Algorithms, OOP, SQL and DBMS, . That’s all about me. Thank you."

### 1. **Tell me about yourself.**

"I am a recent graduate in Computer Science from XYZ University. I have a strong foundation in programming languages like Java and Python. During my academic journey, I worked on projects like a library management system and a chat application, which helped me gain hands-on experience in coding, debugging, and collaborating with peers. I'm passionate about solving problems through technology and am excited to begin my career in software development."

#### **Cross Questions**:

* What specifically excites you about software development?
* Can you give more details about the chat application project?

### 2. **What inspired you to pursue a career in software development?**

#### **Answer**:

"I have always enjoyed problem-solving and logical thinking. During my school days, I was fascinated by how software powers everyday life, from mobile apps to online platforms. When I learned programming in college, it felt rewarding to create something functional from scratch, and that's what drove me to pursue this field."

#### **Cross Questions**:

* Was there a specific project or moment that solidified your decision?
* How do you continue to develop this passion?

### 3. **What do you know about our company? Why do you want to work here?**

#### **Answer**:

"I know your company is known for innovative products, especially in AI and cloud technology. I admire your emphasis on creating scalable solutions that impact millions. I want to work here because I believe the learning opportunities and challenges align perfectly with my goals to grow as an SDE while contributing meaningfully."

#### **Cross Questions**:

* What do you think makes us different from our competitors?
* Are there any specific projects of ours that resonate with you?

### 4. **Walk me through your most significant project. What challenges did you face, and how did you overcome them?**

#### **Answer**:

"In my final year, I worked on a library management system that automated book lending and returns. The biggest challenge was optimizing the database to handle large datasets efficiently. After some research and trials, I implemented indexing, which significantly improved query performance. It taught me the importance of designing scalable systems."

#### **Cross Questions**:

* How did you ensure the system was user-friendly?
* If given more time, how would you improve the project?

### 5. **Have you worked on team projects? What was your role, and how did you contribute?**

#### **Answer**:

"Yes, during a college hackathon, I worked on a team of four to develop a food delivery app. I handled the backend API development while ensuring it integrated seamlessly with the frontend. Clear communication and regular updates helped us deliver the project on time."

#### **Cross Questions**:

* How did you resolve disagreements within the team?
* What did you learn about teamwork from this experience?

### 6. **How do you handle conflicts when working in a team?**

#### **Answer**:

"I focus on understanding both perspectives by listening carefully. Once, during a group project, we had different opinions on implementation. I proposed a brainstorming session to weigh the pros and cons of each idea, and we reached a solution that satisfied everyone."

#### **Cross Questions**:

* What if the conflict remains unresolved?
* How do you ensure conflicts don’t affect team morale?

### 7. **Describe a situation where you had to meet a tight deadline. How did you manage it?**

#### **Answer**:

"In one project, we had just two weeks to complete a web application. I broke down tasks into smaller chunks, prioritized critical features, and collaborated closely with the team. We worked extra hours and finished the project successfully, meeting the deadline."

#### **Cross Questions**:

* Did prioritizing affect the quality of your work?
* How do you handle the stress of tight deadlines?

### 8. **What steps do you take when you encounter a problem you can’t solve immediately?**

#### **Answer**:

"I first try to break the problem into smaller parts and tackle them individually. If I’m still stuck, I refer to documentation, research online, or discuss it with peers. Collaboration and a systematic approach usually help me find a solution."

#### **Cross Questions**:

* Can you give an example of when this approach worked?
* What if the problem remains unresolved despite these efforts?

### 9. **If you’re given a task in a technology you're unfamiliar with, how would you approach it?**

#### **Answer**:

"I would start by understanding the basics of the technology through tutorials and official documentation. Next, I’d try small hands-on experiments to grasp its practical use. If needed, I’d reach out to mentors or teammates for guidance."

#### **Cross Questions**:

* Have you faced such a situation before? What was the outcome?
* How do you balance learning new skills with completing tasks on time?

### 10. **Why should we hire you?**

#### **Answer**:

"I bring a strong technical foundation, a willingness to learn, and a proactive attitude. My academic projects demonstrate my ability to build solutions, and I am excited to apply these skills while contributing to your team’s success."

#### **Cross Questions**:

* How do you differentiate yourself from other candidates?
* What specific skills do you bring that align with this role?

### 11. **What motivates you to give your best at work?**

#### **Answer**:

"I’m motivated by solving problems and seeing tangible results. When users appreciate a feature or when a code runs efficiently, it gives me a sense of accomplishment. Continuous learning and improvement also keep me driven."

#### **Cross Questions**:

* What do you do when your motivation dips?
* How do you handle repetitive tasks?

### 12. **How do you handle constructive criticism?**

#### **Answer**:

"I view constructive criticism as an opportunity to grow. For instance, during a project, my mentor pointed out that my code readability could improve. I took their feedback, researched best practices, and applied them, which enhanced my skills."

#### **Cross Questions**:

* Can you recall a time when you disagreed with the feedback? How did you handle it?
* How do you ensure the same mistake isn’t repeated?

### 13. **Have you ever failed at something? How did you handle it?**

#### **Answer**:

"During an internship, I underestimated the time needed for a task and missed a deadline. I apologized, learned to plan better, and ensured I communicated progress regularly moving forward. It taught me the importance of time management."

#### **Cross Questions**:

* How do you ensure failure doesn’t affect your confidence?
* What did you do differently after this incident?

### 14. **What would you do if a team member isn't contributing equally to a project?**

#### **Answer**:

"I would first talk to them privately to understand if there’s an issue. Sometimes people have challenges that aren’t obvious. If it continues, I’d bring it to the team or supervisor’s attention to ensure fairness while keeping the project on track."

#### **Cross Questions**:

* What if they don’t respond to your initial efforts?
* How would you handle this if the person is your friend?

### 15. **Do you have any questions for us?**

#### **Answer**:

"Yes, I’d like to know about the typical projects an SDE handles here. Also, how does the company support skill development and career growth?"

#### **Cross Questions**:

* What excites you most about this opportunity?
* Why are you interested in learning about specific projects?