

PERSONAL INTERVIEW QUESTIONS (20):

- 1. Tell me about yourself.**
- 2. How would you describe yourself in a few words?**
- 3. What are your greatest strengths?**
- 4. What are your greatest weaknesses?**
- 5. What are you passionate about?**
- 6. How do your friends describe you?**
- 7. Where do you see yourself in five years?**
- 8. What motivates you to do a good job?**
- 9. What are your professional goals?**
- 10. What is your proudest accomplishment to date?**
- 11. What did you enjoy most about your last job?**
- 12. Why do you want to work here?**
- 13. How do you handle stressful situations?**
- 14. Do you prefer to work alone or on a team?**
- 15. How do you handle constructive criticism?**
- 16. How do you stay organized?**
- 17. What does a typical day at work look like for you?**
- 18. What are your hobbies outside of work?**
- 19. What was the last book you read?**
- 20. Who has inspired you most in your life, and why?**

TECHNICAL INTERVIEW QUESTIONS (20):

- 1. Explain the importance of data structures. What are some real-world applications?**
- 2. Differentiate between a stack and a queue. How would you implement a queue using two stacks?**
- 3. What is hashing, and how does a hash map handle collisions? What is the average time complexity for its get() and put() operations?**
- 4. Explain the concept of a binary search tree. What are the properties that make it a valid BST?**
- 5. How would you detect a cycle in a linked list? Provide both iterative and recursive approaches.**
- 6. Explain the difference between Breadth-First Search (BFS) and Depth-First Search (DFS) for graph traversal.**
- 7. Explain the four pillars of object-oriented programming with real-world examples.**
- 8. What is the difference between a class and an object?**
- 9. Explain the difference between method overloading and method overriding.**
- 10. What is a constructor? How does it differ from a regular method?**
- 11. What is the main difference between a process and a thread?**
- 12. Explain the concept of a deadlock. What are the necessary conditions for a deadlock to occur?**
- 13. What is virtual memory, and how does it work?**
- 14. Explain the concept of a "critical section" in concurrent programming.**
- 15. Explain the concept of normalization in database design. Why is it important?**
- 16. What are the ACID properties in database transactions? Explain each one.**
- 17. Differentiate between `TRUNCATE`, `DELETE`, and `DROP` in SQL.**
- 18. What is the difference between a primary key and a foreign key?**
- 19. Explain the OSI model and its seven layers.**
- 20. Differentiate between TCP and UDP protocols. When would you use one over the other?**