

## EY - Backend Developer

### Interview Process

- Online Assessment - Aptitude test, Logical and verbal test, Coding questions test
- Technical Interview
- HR Interview

### Interview Questions

1. What do you mean by Normalization?
2. What is intercompany reconciliation?
3. What are the advantages of using stored procedures?
4. What is object-oriented modeling?
5. Define RDBMS.
6. Do you think BCNF is better than 2NF & 3NF? Why?
7. What is the difference between primary key and foreign key?
8. What is a transparent DBMS?
9. What is a deadlock?
10. What is meant by the interface?
11. Where do we generally create an index?
12. What are the advantages of using the stored procedures?
13. Give me a SQL Query to find out the second-largest company.
14. Explain malloc() and calloc() in C.
15. Differentiate between compiler and interpreter.
16. What is a thread, and how is it different from the process?
17. Why is DML provided?
18. What is a docker?
19. Why did you use it?
20. What are the functionalities of docker?
21. Did the docker help you code the point of view of development?
22. Can you explain the difference between SQL and NoSQL databases? When would you use each type in a backend system?
23. Can you explain the concept of microservices architecture and its benefits in modern software development?
24. What are some common security vulnerabilities in backend systems, and how do you mitigate them?