

# Coupa Interview

## ----- ROUND 1 -----

1. tell me about the project
2. difficulty facedPolymorphism real life examples
3. Write a code for inheritance
4. Write a code polymorphism
5. SQL query
6. why we perform normalisation
7. qsns on joins
8. type casting
9. Stack and queue difference
10. Real life examples of stack and queue
11. operations performed in stack
12. sql alias
13. oreign ,composite and primary key
14. why mechanical to IT
15. 4,5 questions on the project.
16. suppose the video is not playing on youtube what can be the issues and how will you find out.
17. problems you can face while building face detection. (like low light, different expressions)
18. you search for something on google and google shows you the sites, how you think google is organizing the data.

19. suppose you are building and payment app, skip the QR code scanning part and assume that the sender has scanned the QR and he is now paying someone so what kind of validation you will apply.
20. how comfortable are you with databases?
21. have you used indexes?
22. application of stack and queue (tell the application which your computer is using )
23. any queries?

## ----- **ROUND 2** -----

24. Any queries?
25. (My engineering project was on python and image processing)
26. asked some questions about the engineering project.
27. what do you like to work on like in frontend or do you like to do the backend?
28. how comfortable are you with CSS
29. Can you tell me how to pass the State in React?
30. how to pass data from parent to child using props?
31. Suppose we got a site like Amazon and in that, you are selecting some products and while you clicking on the product(add to cart) you can see that value at the cart at the top is getting modified how will you do it? (i said using redux)
32. in the above case can you pass the data by state or props?

- 33. Write SQL Query to print the data in ascending order
- 34. print the longest consecutive ascending subsequence in an array explain the logic
- 35. how did you guys do the project do you use Source control?
- 36. any Queries?

### ----- Round 3 -----

- 37. tell me about the OOPS concept?
- 38. 2 3 Question on my engineering project
- 39. What is Hashtable what is Hashmap?
- 40. problem with Linear probing?
- 41. which sorting algorithm you will use to sort an array?
- 42. What's the time complexity of quicksort?
- 43. the worst-case complexity of quicksort is  $O(n^2)$  (square) can you mitigate that?
- 44. do u know how the avg complexity is  $O(n \log(n))$  how do we get that?
- 45. can you sort the array with 100 unsigned 16-bit numbers with less than  $O(n \log(n))$  complexity?