

17. Sorting Algorithms

- Types: Bubble, Quick, Merge, Radix, etc.
- No "best" algorithm; depends on data structure context.

18. Variable Memory Allocation

- Memory reserved based on data type.
- Example: Integer type reserves 32 bits.

19. Dynamic Data Structures

- Adjusts size based on data needs.
- Provides flexibility in data manipulation.

2. Programming Interview Questions

20. Reversing a String in Java

• Process involves looping and reordering characters.

21. Palindrome Check

- A palindrome remains the same when characters are reversed.
- Verification by comparing original and reversed strings.

22. Vowels and Consonants Count

- Loop through the string.
- Count vowels and consonants separately.

23. Matching Elements in Array

- Utilize nested loops for comparison.
- Identify and print matching elements.

24. Reversing an Array

• Invert elements from start to end up to the half-length.











Taken and adapted from: https://www.simplilearn.com/coding-interview-questions-article





