SafeSend On-Campus Interview Experience

1. What do you understand by Time Complexity? Explain.
2. Can Java be run on any machine?
3. What is Polymorphism? What are the types of Polymorphism?
4. What is Inheritance? What are the types of inheritance
5. What is interface? What is the use of interfaces.
6. Tell me something about abstract clasess.
7. What is Data Encapsulation & Data Abstraction? Tell the difference.
8. What is the difference between Quick Sort & Bubble Sort?
9. What is Encryption? What are different methods/types of encryption?
10. Why does an array[0] start with 0th index, why doesn’t it start from 1st index?
11. What is the use of circular linked list, why do we use it?
12. What is the use of doubly linked list, why do we use it over singly linked list?
13. What is the difference between Binary Tree & B Positive Tree?
14. What are the sorting algorithms you know about? Can you write the code for any of it?
15. Do you know about solid principles of OOPS?
16. Write the code for Binary Search. Full Code
17. How will you reverse a string? Write the code
18. Write the code to check the count of vowels & consonants in a given string?
19. Write the code to check if two strings are anagrams or not?
20. Given a string

Str = “xyzabdazdce”

Input: a

Output: 2 ( as ‘a’ is present only twice in the string)

Print the number of ‘a’s in the given string.

1. Given any string

E.g. Str = “xyzabdazdce”

Output: x = 1, y = 1, z = 2, a = 2, b = 1, d = 2, c = 1, e = 1

( as x is present only once in the string, ‘a’ is present twice in the string similarly for any character it should give the count)

Print the number of each character in the given string.

Ans: <https://chat.openai.com/share/af6ebb14-2f4e-44fd-9ee1-5057df919ef2>

1. Write a function printPrime to print the number of prime numbers present from 1 to N number.

E.g.

Input: 10

Output: 2, 3, 5, 7 (as these numbers prime numbers from 1 to 10)

1. Give a short introduction about yourself technically. (Speak about your technical skills, straight related to programming & stuff)