

NEW TECHNOLOGISTS SECOND ROUND QUESTIONNAIRE

Answer all questions and email back as a PDF file titled "Full Name_NT21.pdf". Questions #1, #2, #4, #5 & #6 should not exceed more than 300 words each.

- What's a big question or problem in the tech field you'd like to solve and why?
- 2. Think of a time when you went from beginner to proficient on a topic or skill. How could you achieve that change more efficiently or easily next time?
- 3. Coding Question: For the index position in an array where the sum of elements at lower indexes is equal to the sum of elements at higher indexes. Write a function int balanced(int[] arr); that given a sequence arr[] of size n, returns the index (if any) or -1 if no index position is found.
 - a. Include comments within your code. Be detailed.
 - b. What other approaches did you consider to solve this question and why did you choose this approach?
 - c. List any assumptions.

Examples

Input: A[] = [-8, 2, 6, 2, -5, 4, 1]

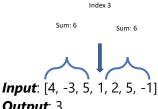
Output: 3

3 is an index that works, because:

A[0] + A[1] + A[2] = A[4] + A[5] + A[6]

Input: $A[] = \{2, 4, 6\}$

Output: -1 ← because no appropriate index exists



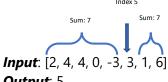
Output: 3







Output: 1



Output: 5

Input: [2, 3, 5, 5, 2]

Output: -1

- 4. How would you redesign your favorite app? What would you add or change and why?
- 5. Innovative and high-performing teams require active collaboration. Please describe an experience you've had that indicates you can thrive in a similar setting.
- 6. We understand that you are a multifaceted individual with various experiences that have shaped who you are today. Please fill in the blanks below and feel free to expand on your answer.

Fill in the blanks: I am	because of	
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