

Giri's Tech Hub, Pune.

JS Machine Test

Batch: Nov-23 to May-24 & Aug/Sep/Oct-24

Date : 24/06/2025

Time : 08 to 11 Am.

Instructions:

1. Solve any 2 questions.
2. Input should be from user.
3. Indentation and comments mandatory.

Q1. Write a program to find the longest increasing subsequence in a given array of integers.

Input: [10, 22, 9, 33, 21, 50, 41, 60]

Output: 5

(Here, the LIS is [10, 22, 33, 50, 60])

Q2. Write a program to find all unique triplets in an array that give the sum of zero.

Input: [-1, 0, 1, 2, -1, -4]

Output: [[-1, -1, 2], [-1, 0, 1]]

Q3. Given an array, write a program to find the maximum product subarray.

Input: [2, 3, -2, 4]

Output: 6

(Explanation: The subarray [2, 3] has the maximum product 6)

-----ALL THE BEST-----