

NumPy

Question 1: Create a NumPy Array

Create a NumPy array with the elements 5, 10, 15, 20, 25 and print the array.

Question 2: Element-wise Operations

Given two arrays `arr1 = [1, 2, 3]` and `arr2 = [4, 5, 6]`, add them together using NumPy and print the result.

Question 3: Reshape an Array

Create a NumPy array with the elements 1, 2, 3, 4, 5, 6 and reshape it into a 2x3 matrix. Print the reshaped array.

Question 4: Slicing an Array

Given an array `arr = [10, 20, 30, 40, 50]`, slice the array to extract the elements 20, 30, 40 and print the sliced array.

Question 5: Broadcasting Operation

Create a NumPy array with the elements 2, 4, 6, 8 and multiply each element by 3 using broadcasting. Print the resulting array.
