1. Write a NumPy program to get the numpy version and show numpy build configuration.
2. Write a NumPy program to get help on the add function.
3. Write a NumPy program to test whether none of the elements of a given array is zero.
4. Write a NumPy program to create an array of 10 zeros, 10 ones, 10 fives.
5. Write a NumPy program to create an array of all the even integers from 30 to 70.
6. Write a NumPy program to create a 3x3 identity matrix.
7. Write a NumPy program to create a vector with values ​​from 0 to 20 and change the sign of the numbers in the range from 9 to 15.
8. Write a NumPy program to find the number of rows and columns of a given matrix.
9. Write a NumPy program to create a 10x10 matrix, in which the elements on the borders will be equal to 1, and inside 0.
10. Write a NumPy program to compute sum of all elements, sum of each column and sum of each row of a given array.
11. Write a NumPy program to convert a given list into an array, then again convert it into a list. Check initial list and final list are equal or not.
12. Write a NumPy program to create a 3x3x3 array filled with arbitrary values.
13. Write a NumPy program to create a 5x5 zero matrix with elements on the main diagonal equal to 1, 2, 3, 4, 5.
14. Write a NumPy program to extract all numbers from a given array which are less and greater than a specified number.
15. Write a NumPy program to compute the sum of the diagonal element of a given array.
16. Get the common items between two arrays.

a = np.array([1,2,3,2,3,4,3,4,5,6])

b = np.array([7,2,10,2,7,4,9,4,9,8])

Desired Output:

array([2, 4])