1. Write a NumPy program to get the numpy version and show numpy build configuration
2. Write a NumPy program to test whether any of the elements of a given array is non-zero
3. Write a NumPy program to test element-wise for complex number, real number of a given array. Also test whether a given number is a scalar type or not
4. Write a NumPy program to generate an array of 15 random numbers from a standard normal distribution
5. Write a NumPy program to create a 3x3 identity matrix, i.e. diagonal elements are 1, the rest are 0
6. Write a NumPy program to create a 5x5 zero matrix with elements on the main diagonal equal to 1, 2, 3, 4, 5
7. Write a NumPy program to extract all numbers from a given array which are less and greater than a specified number
8. Write a NumPy program to create a 4x4 array, now create a new array from the said array swapping first and last, second and third columns