

## NumPy Basic (31 – 40)

31. Write a NumPy program to create a 3x3x3 array filled with arbitrary values.
32. Write a NumPy program to compute the sum of all elements, the sum of each column and the sum of each row in a given array.
33. Write a NumPy program to compute the inner product of two given vectors.
34. Write a NumPy program to add a vector to each row of a given matrix.
35. Write a NumPy program to save a given array to a binary file .
36. Write a NumPy program to save a given array to a binary file.
37. Write a NumPy program to save a given array to a text file and load it.
38. Write a NumPy program to convert a given array into bytes, and load it as an array.
39. 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.
40. Write a NumPy program to compute the x and y coordinates for points on a sine curve and plot the points using matplotlib.