Weekly Assignment 44

1. Write a Python program to find the mean, median, and standard deviation of the elements in a NumPy array.

2. Write a Python program to flatten a 3×3 NumPy array into a 1D array.

3. Write a Python program to perform element-wise addition of two NumPy arrays.

4. Write a Python program to find the dot product of two 1D NumPy arrays (vectors).

5. Write a Python program to find the cross product of two 1D NumPy arrays (vectors).