**Numpy Task 2**

1. Create a 3-D array of shape (2, 3, 4) with random integers between 10 and 50.
2. Given two arrays, a = np.array([1, 2, 3]) and b = np.array([4, 5, 6]), perform element-wise addition, subtraction, multiplication, and division.
3. Create a 2-D array of shape (3, 3) with all elements as 1.
4. Reshape the array a = np.array([1, 2, 3, 4, 5, 6, 7, 8, 9]) into a 3x3 matrix. Flatten the 3x3 matrix back into a 1-D array.
5. Stack two arrays vertically and horizontally: a = np.array([[1, 2], [3, 4]]) and b = np.array([[5, 6], [7, 8]]).
6. Split the array a = np.array([1, 2, 3, 4, 5, 6, 7, 8, 9, 10]) into two arrays at the 5th element.
7. Extract the second row from the 2-D array a = np. array([[1, 2, 3], [4, 5, 6], [7, 8, 9]]).
8. Extract the elements at indices [0, 2, 4] from the array a = np.array([10, 20, 30, 40, 50]).
9. Calculate the sum, mean and standard deviation of the array a = np.array([1, 2, 3, 4, 5]).
10. Find the maximum and minimum values in the 2-D array a = np.array([[1, 2, 3], [4, 5, 6], [7, 8, 9]]) along both axes.
11. Given the 2-D arrays a = np.array([[3, 1, 4], [1, 5, 9]]) and b = np.array([[2, 6, 5], [7, 8, 0]]), sort each array, then horizontally stack the sorted arrays.
12. Given the array a = np.array([1, 2, 3, 4, 5, 6, 7, 8, 9, 10]), use np.where to find the indices of elements that are either less than 3 or greater than 7.
13. Given a 2-D array representing daily temperatures of two cities over a week: a = np.array([[30, 32, 31, 29, 28, 30, 31], [25, 26, 27, 28, 29, 30, 31]]), use np.where to find the days where the temperature was above 30 degrees in both cities. Then, horizontally stack the temperature data for both cities.
14. Given two arrays representing daily closing prices of two stocks over a month: a = np.array([[100, 101, 102, 103, 104], [200, 201, 202, 203, 204]]), calculate the daily returns (percentage change), replace negative returns with 0 using np.where, and vertically stack the processed data with the original prices.
15. Create a filter array that will return only divisible by 3 elements from the original array