Module 4: Numpy Assignment

Problem Statement:

You work in XYZ Corporation as a Data Analyst. Your corporation has told you to use the numpy package and do some tasks related to that:

Tasks to be performed:

1. Create a 3x3 matrix array with values ranging from 2 to 10.

2. Create a numpy array having user input values and convert the integer type to the float type of the elements of the array. For instance:

    Original array

    [1, 2, 3, 4]

    Array converted to a float type:

    [1. 2. 3. 4.]

3. Write a Numpy program to append values to the end of an array. For instance:

    Original array:

    [10, 20, 30]

    After append values to the end of the array:

    [10 20 30 40 50 60 70 80 90]

4. Create two numpy arrays and add the elements of both the arrays and store the result in sumArray.

5. Create a 3*3 array having values from 10-90(interval of 10) and store that in array1. Perform the following tasks:

    a. Extract the 1st row from the array.

    b. Extract the last element from the array.