



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 that, 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 3x3 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