1. Create a 4X2 integer array and Prints its attributes

Attributes like:

1. The shape of an array.
2. Array dimensions.
3. The Length of each element of the array in bytes.

1. Create a 5X2 integer array from a range between 100 to 200 such that the difference between each element is 10

#### **Add the following two NumPy arrays**

import numpy

arrayOne = numpy.array([[5, 6, 9], [21 ,18, 27]])

arrayTwo = numpy.array([[15 ,33, 24], [4 ,7, 1]])

1. Create an 8X3 integer array from a range between 10 to 34 such that the difference between each element is 1 and then Split the array into four equal-sized sub-arrays.

Expected Output:

Creating 8X3 array using numpy.arange

[[10 11 12]

[13 14 15]

[16 17 18]

[19 20 21]

[22 23 24]

[25 26 27]

[28 29 30]

[31 32 33]]

Dividing 8X3 array into 4 sub array

[array([[10, 11, 12],[13, 14, 15]]),

array([[16, 17, 18],[19, 20, 21]]),

array([[22, 23, 24],[25, 26, 27]]),

array([[28, 29, 30],[31, 32, 33]])]

1. Write a NumPy program to generate six random integers between 10 and 30.   
   Expected Output:  
   [20 28 27 17 28 29]
2. Write a NumPy program to generate five random numbers from the normal distribution.

Expected Output:  
[-0.43262625 -1.10836787 1.80791413 0.69287463 -0.53742101]

1. Write a NumPy program to create a 3x3x3 array with random values.
2. Write a NumPy program to normalize a 3x3 random matrix.
3. Write a NumPy program to shuffle numbers between 0 and 10 (inclusive).
4. Write a NumPy program to create a 5x5 array with random values and find the minimum and maximum values.