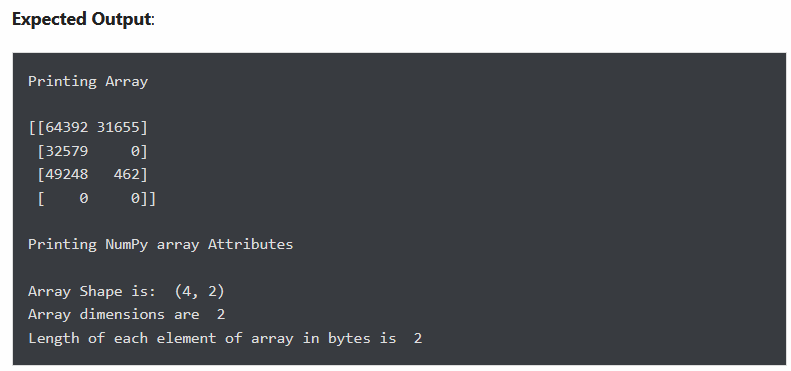
**The laboratory work 11**

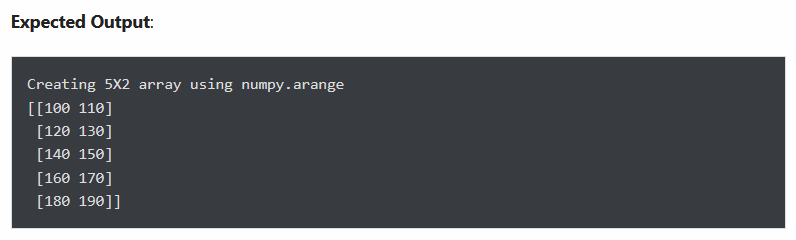
#### **Exercise 1**: Create a 4X2 integer array and Prints its attributes

**Note:** The element must be a type of unsigned int16. And print the following Attributes:

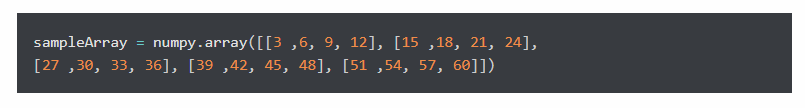
* The shape of an array.
* Array dimensions.
* The Length of each element of the array in bytes.



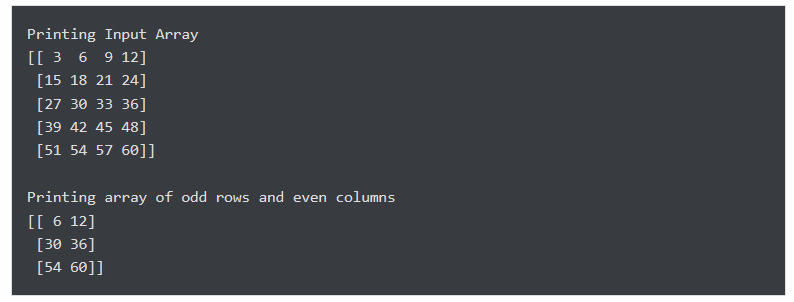
#### **Exercise 2**: Create a 5X2 integer array from a range between 100 to 200 such that the difference between each element is 10



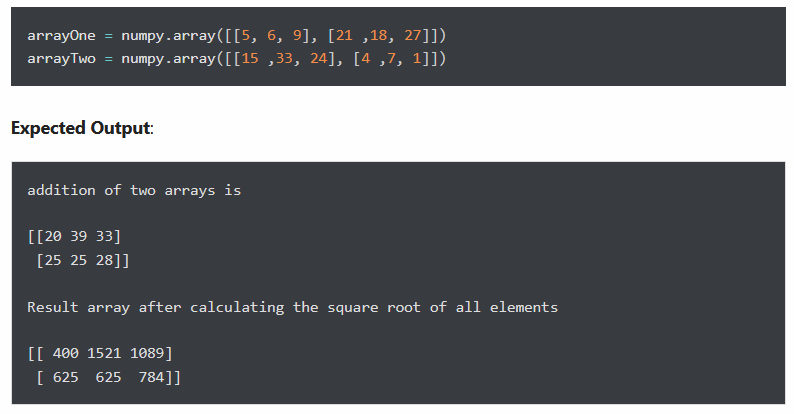
#### **Exercise 3**: Return array of odd rows and even columns from below numpy array



**Expected output**

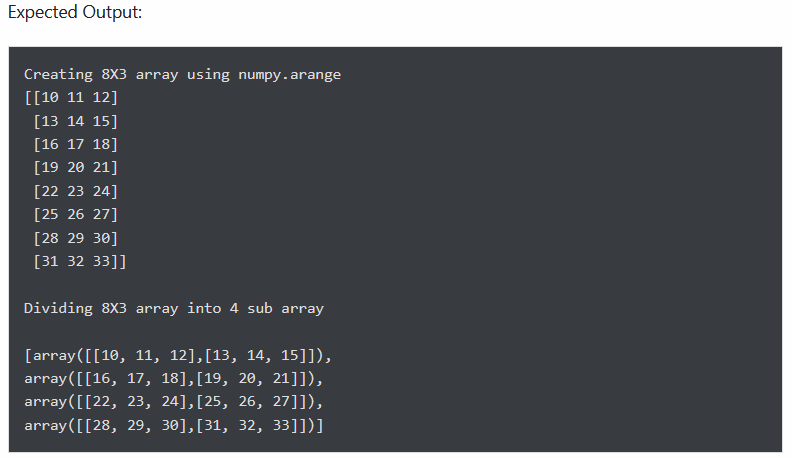


#### **Exercise 4**: Create a result array by adding the following two NumPy arrays. Next, modify the result array by calculating the square of each element

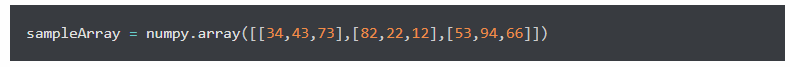


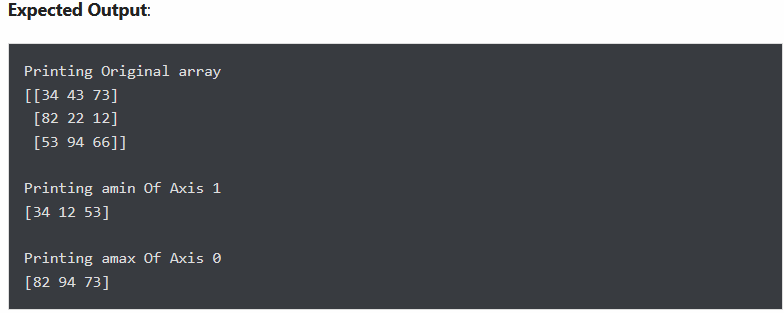
#### **Exercise 5**: Split the array into four equal-sized sub-arrays

**Note**: 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.



#### **Exercise 6**: Print max from axis 0 and min from axis 1 from the following 2-D array.





#### **Exercise 7**: Delete the second column from a given array and insert the following new column in its place.

