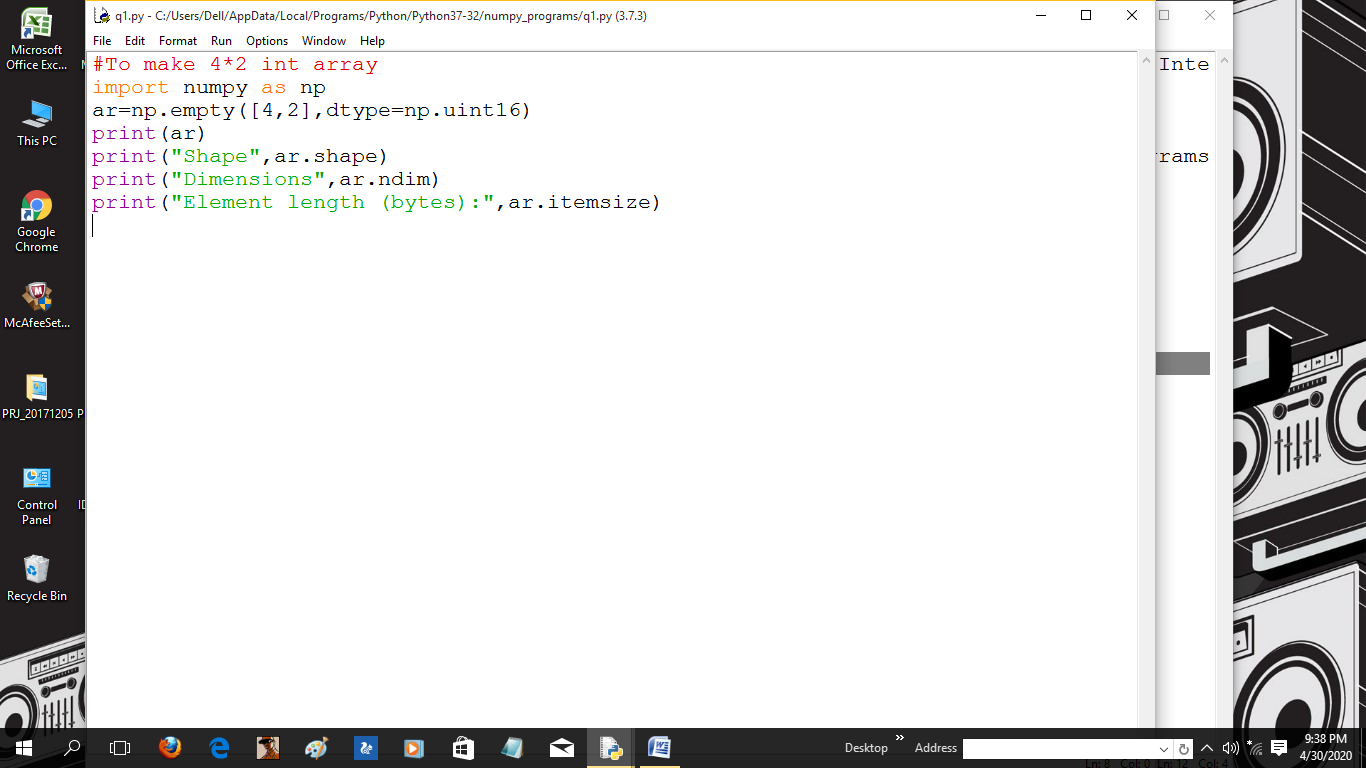
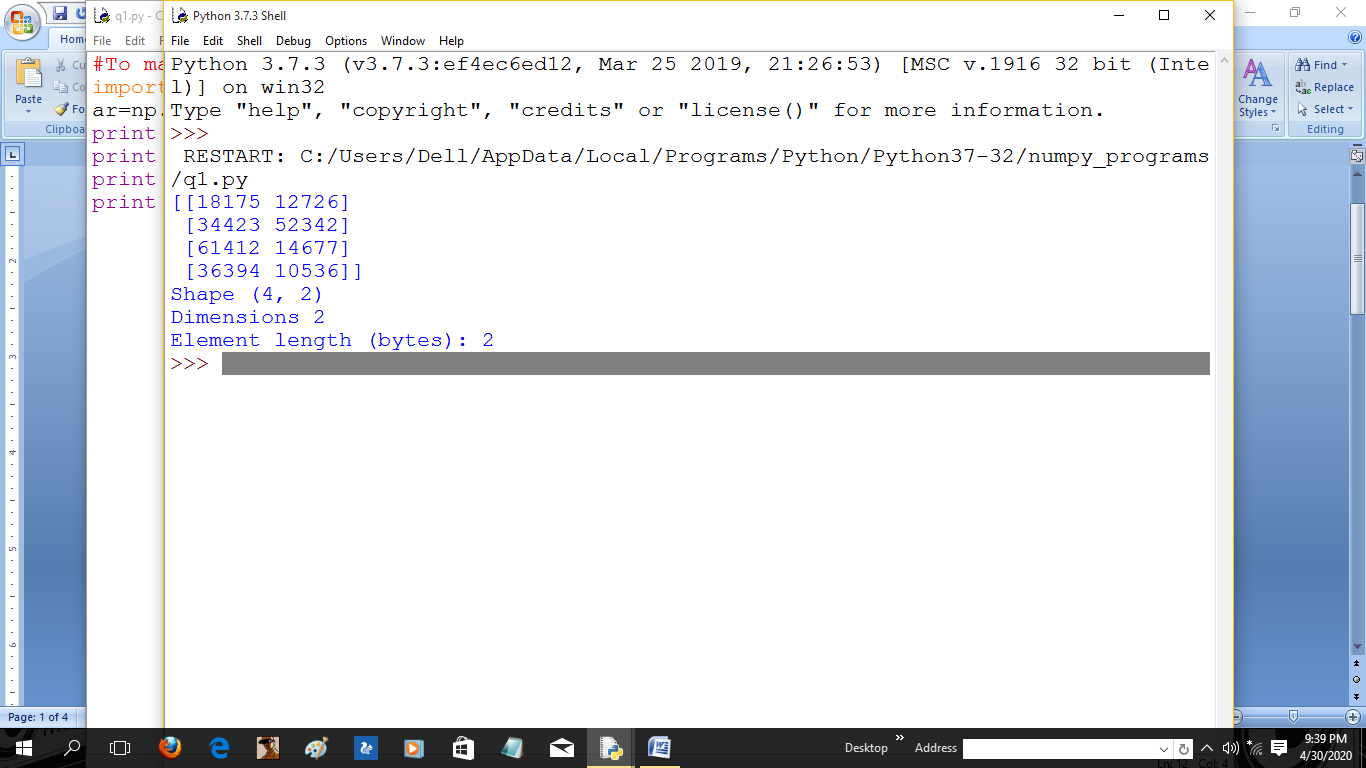
**DELHI PUBLIC SCHOOL**

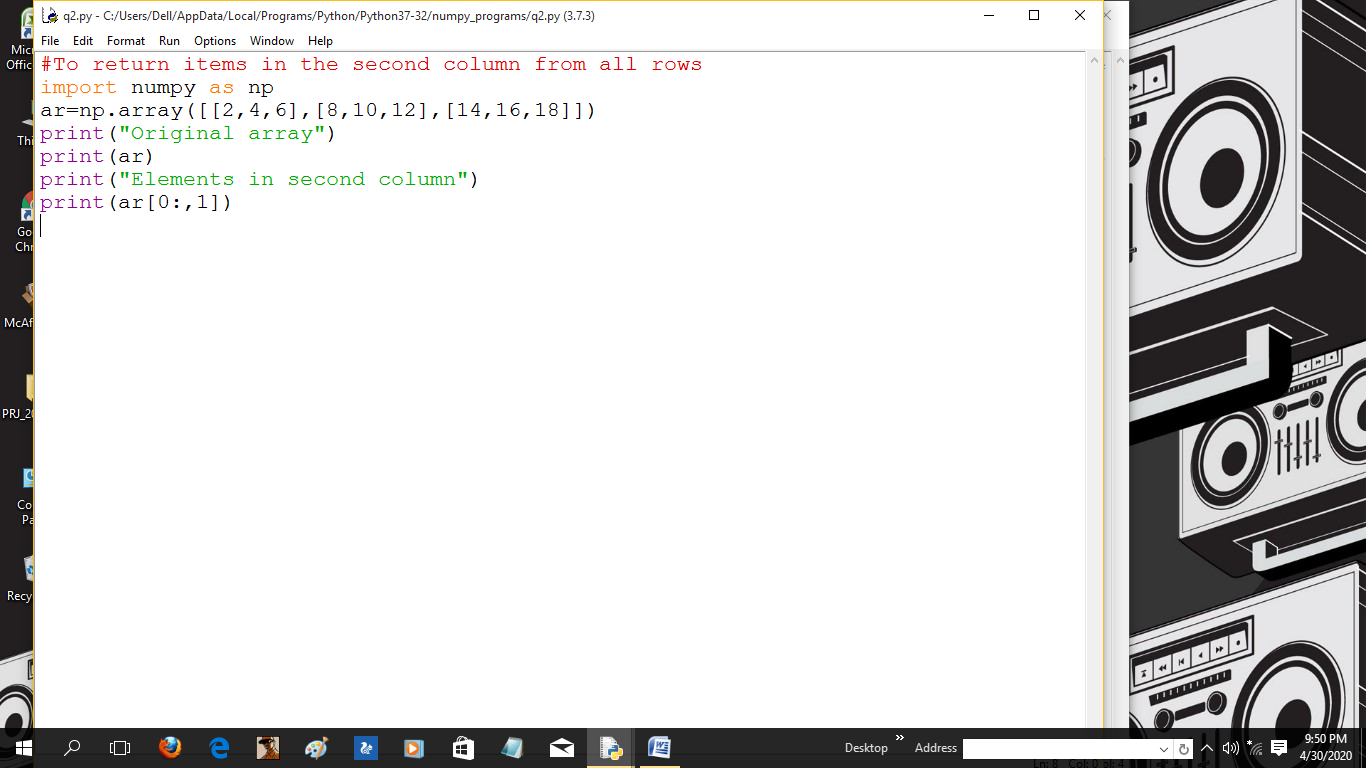
**ASSIGNMENT NO. 1**

1. To make a 4\*2 integer array of unsigned int16 and print shape, dimension and length of each element.

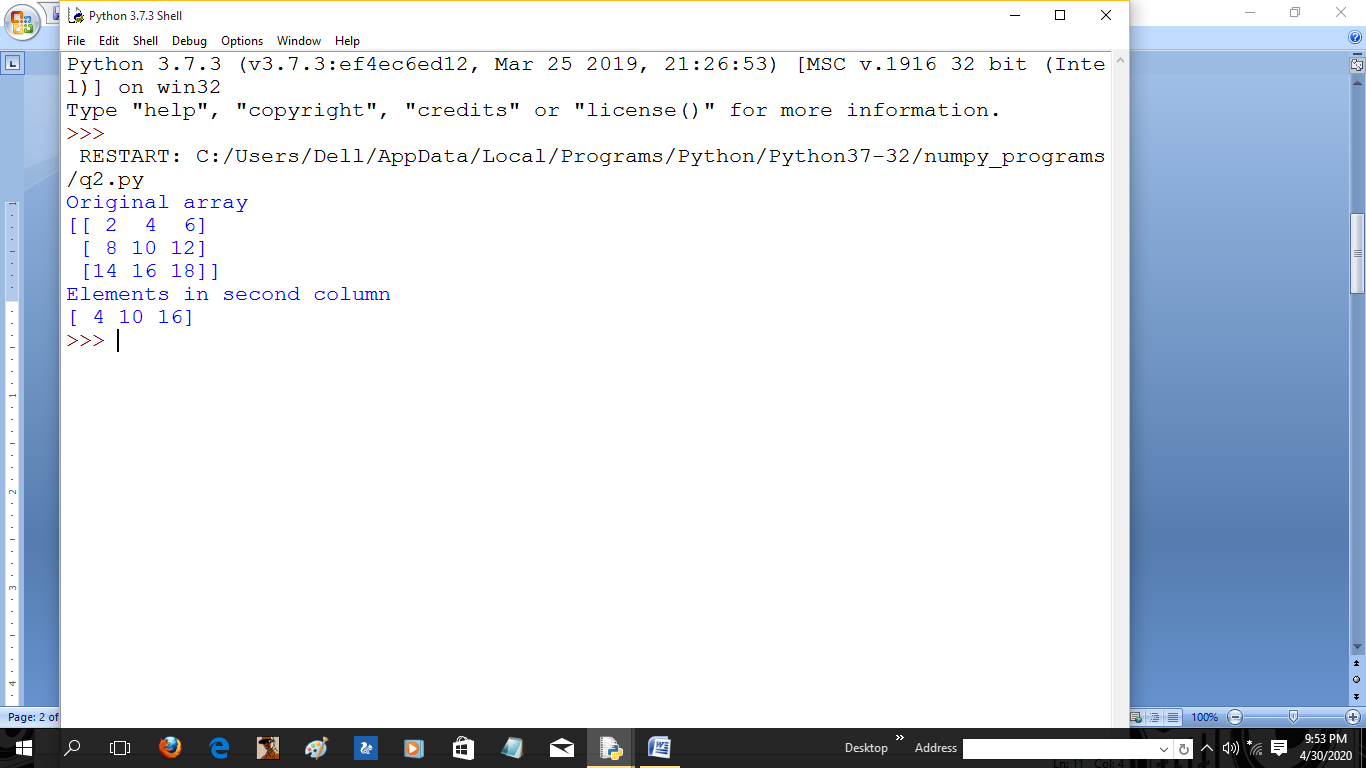


OUTPUT:

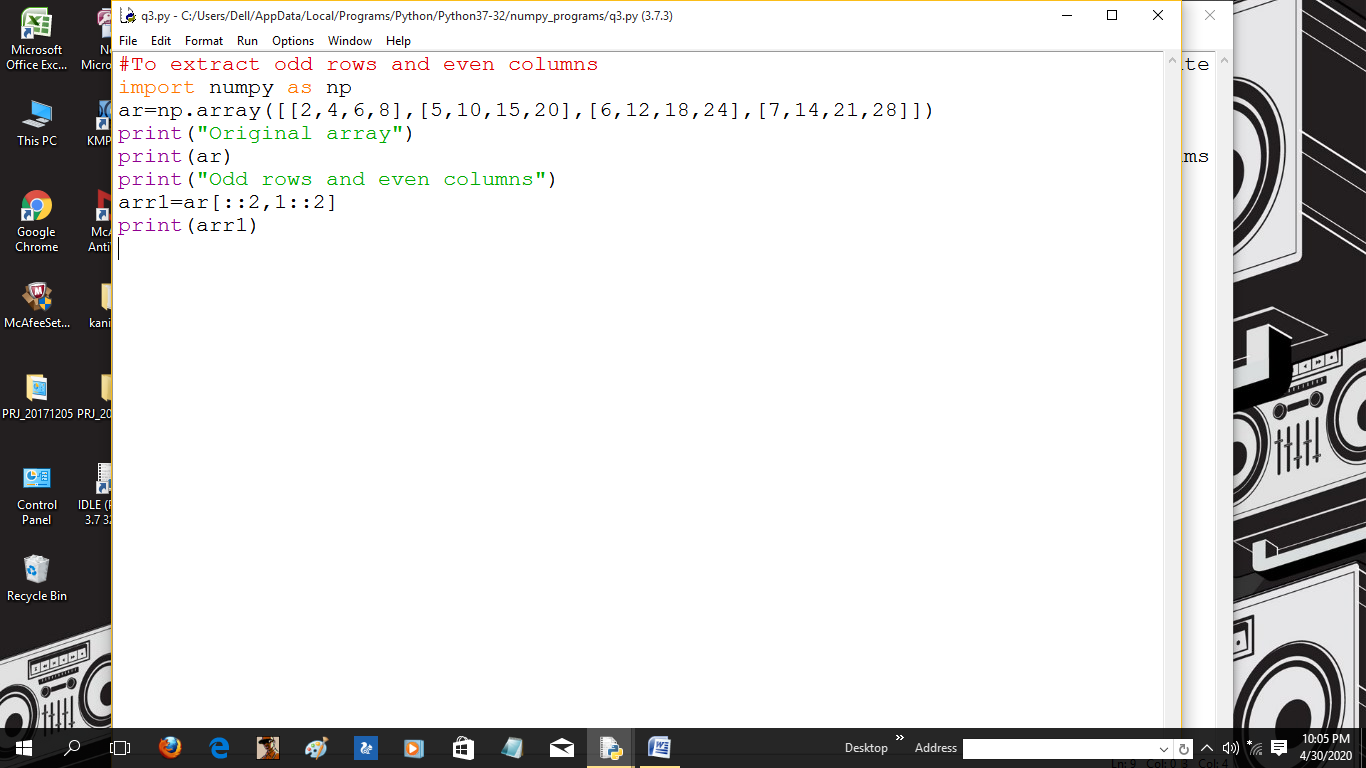


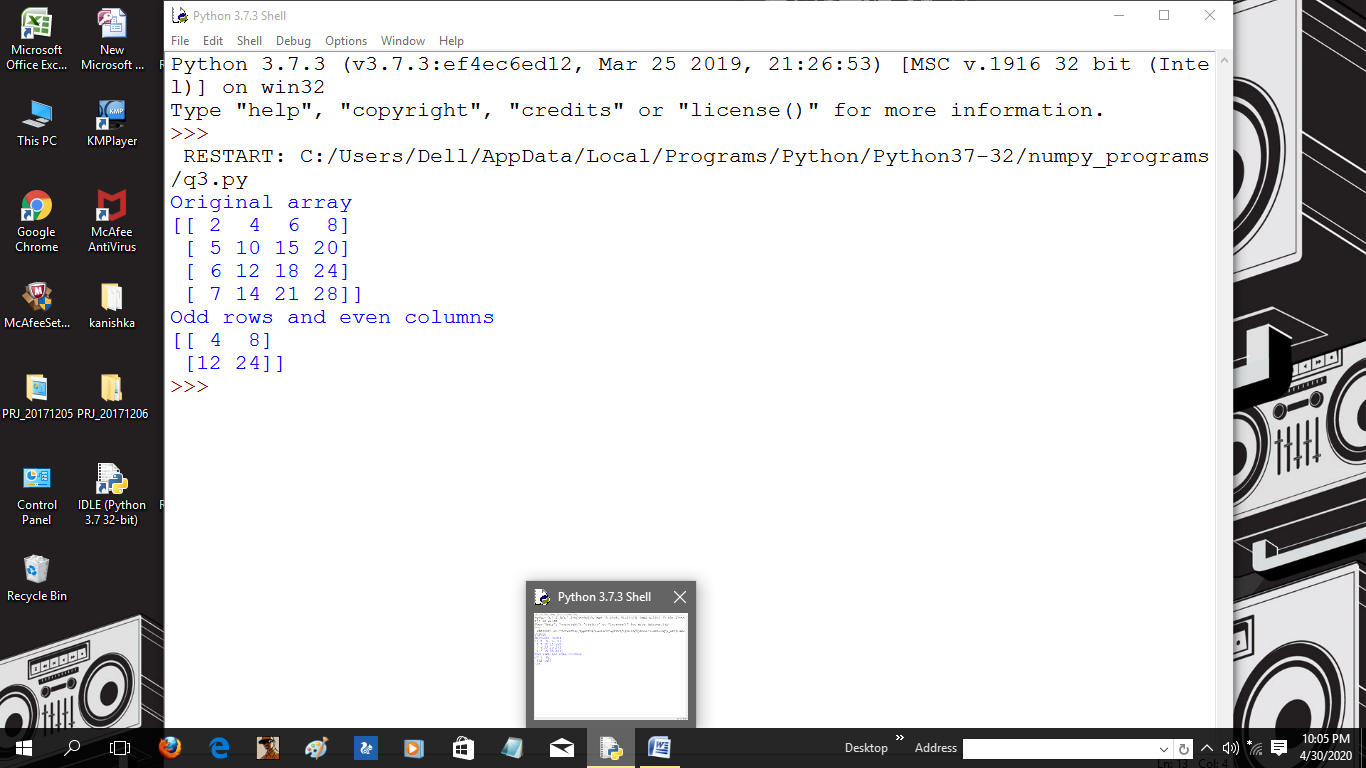
3. From a 3\*3 numPy array return items in the second column from all rows. 

OUTPUT:

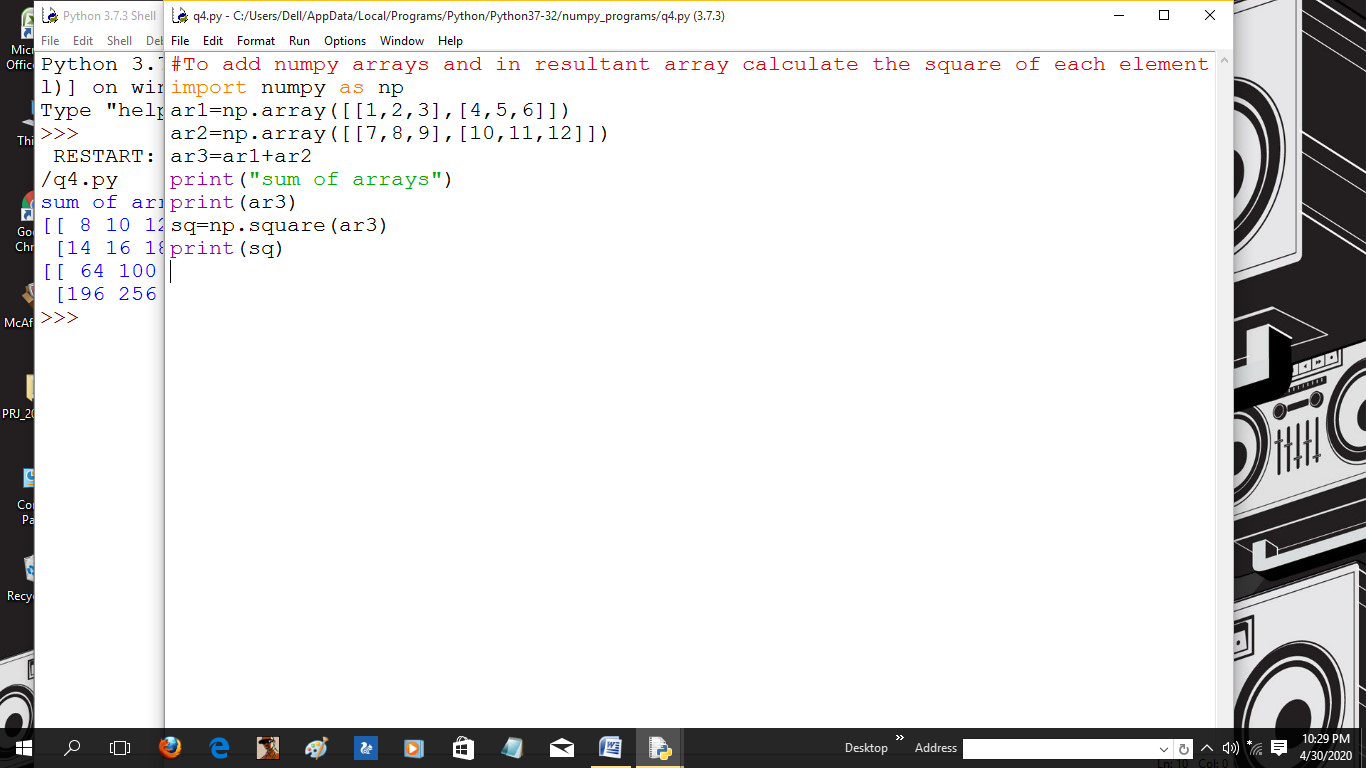


4. Extract odd rows and even columns from given numpy array.

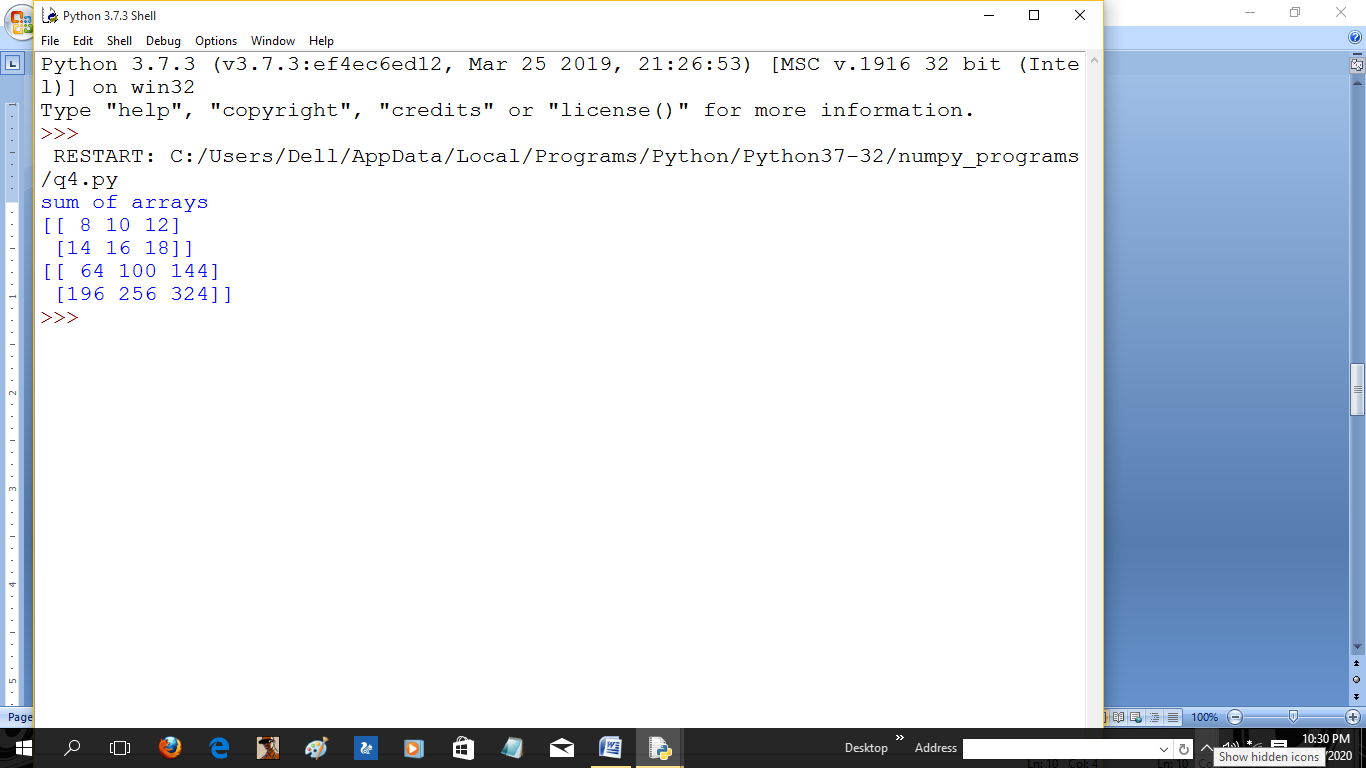


OUTPUT:

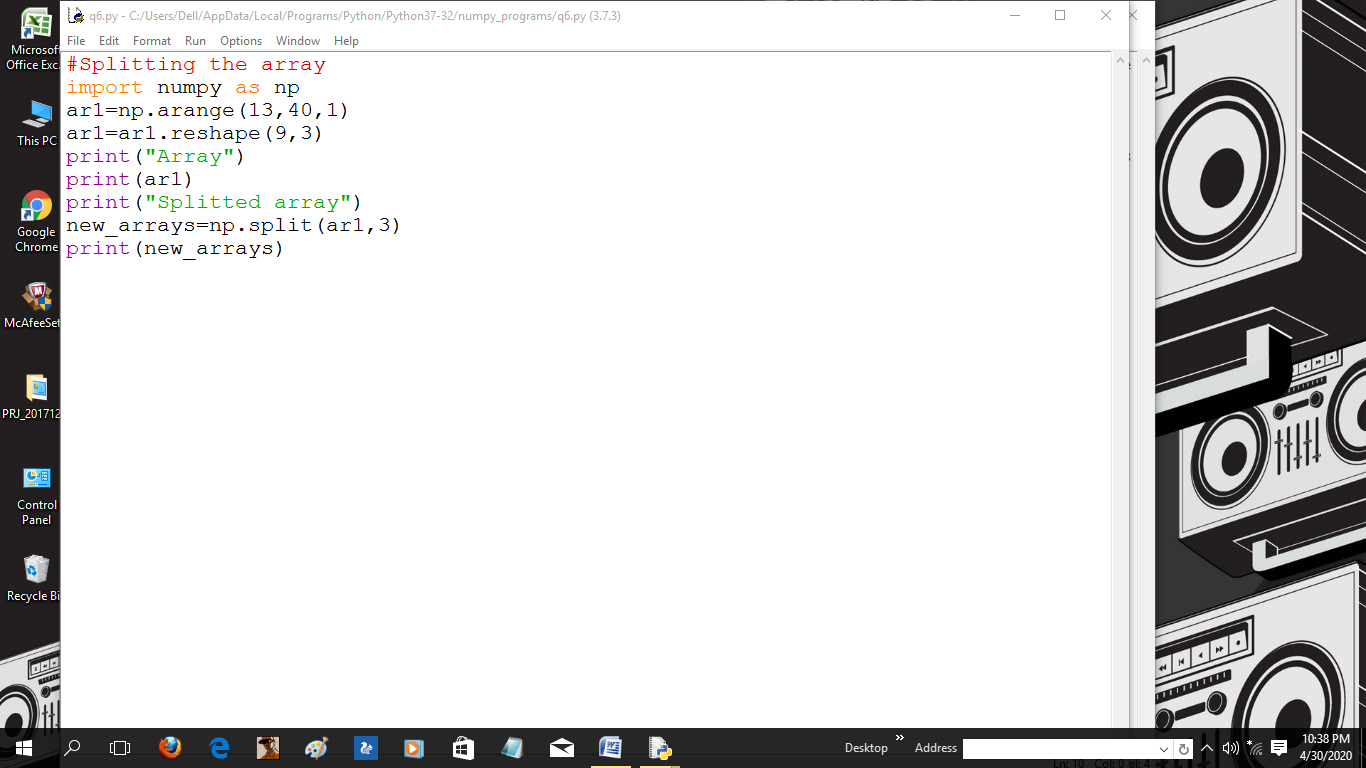
5. Add the following two numpy arrays and in resultant array calculate the square of each number.



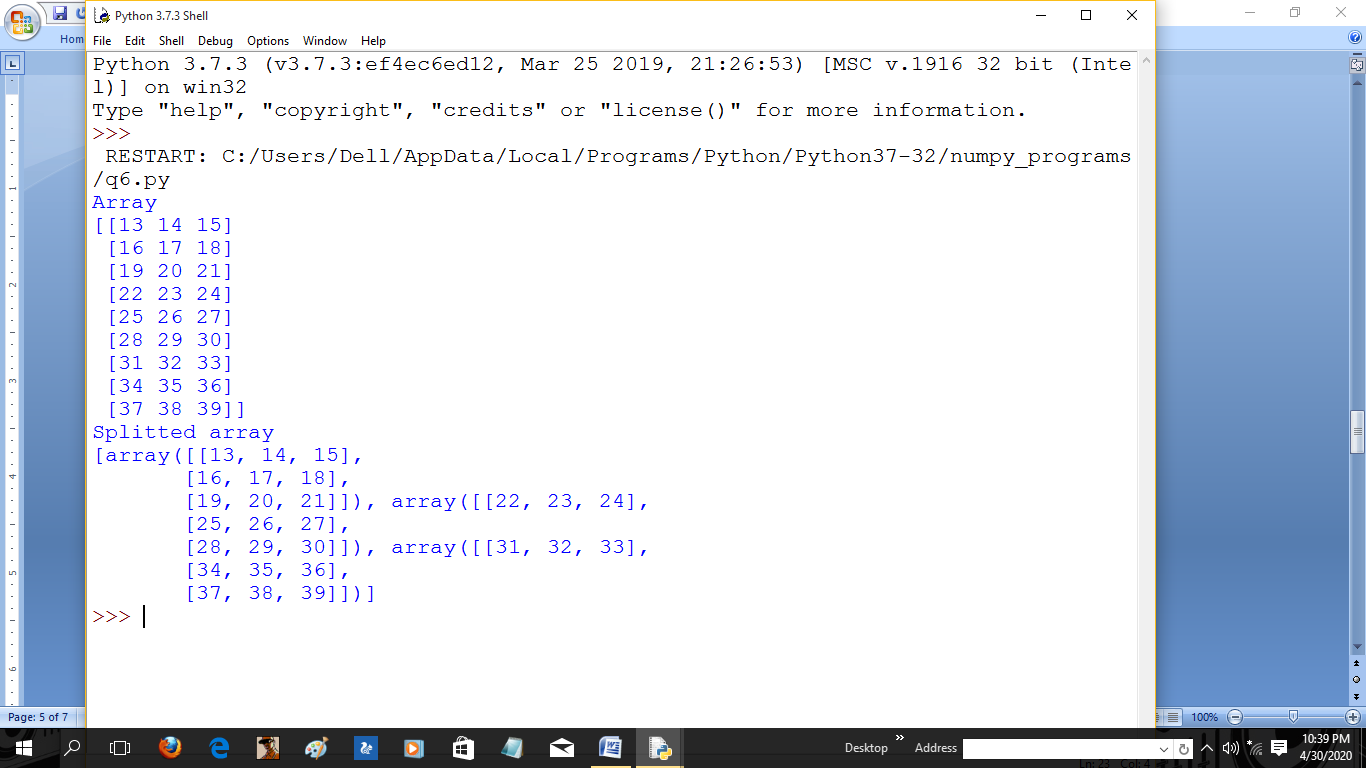
OUTPUT:



6. Create a 9\*3 array from a range between 13 to 40 such that the difference between each element is 1 and then split the array into three equal sized sub-arrays.



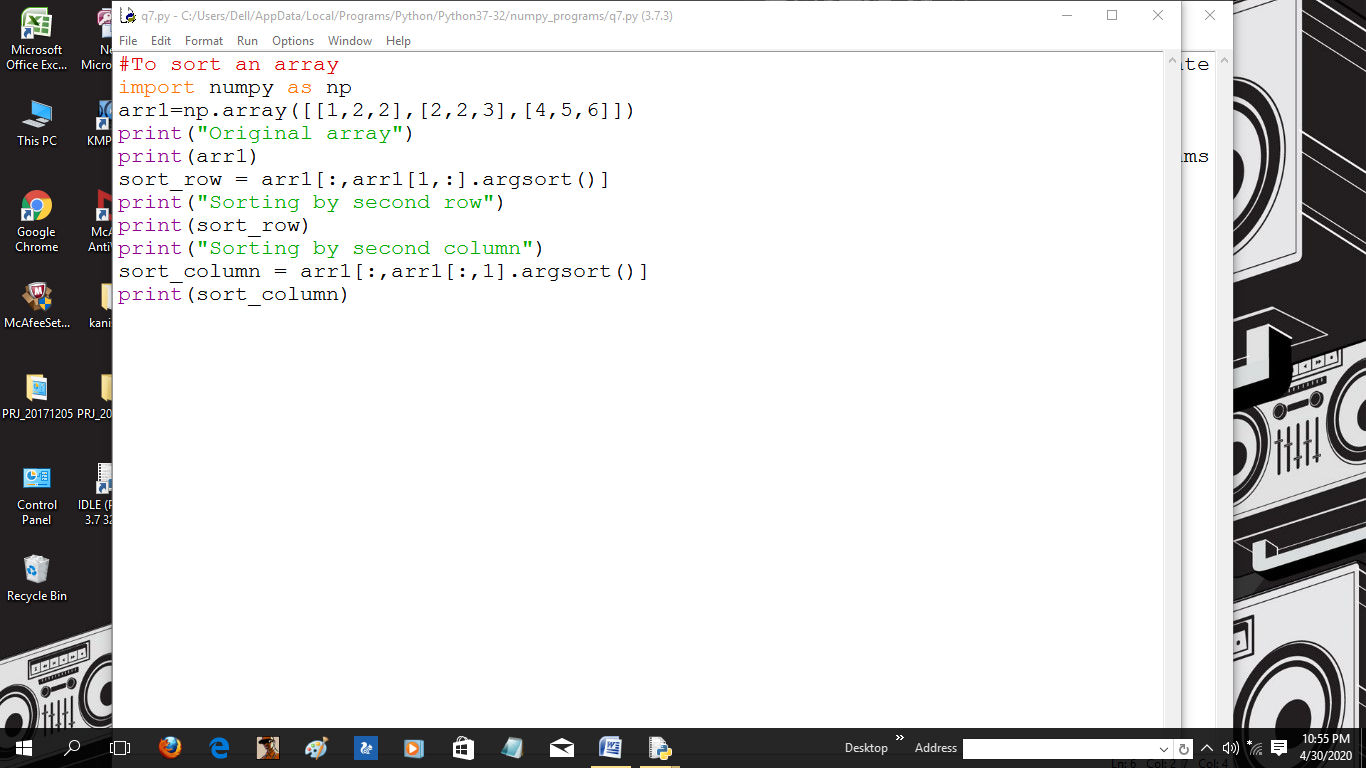
OUTPUT:



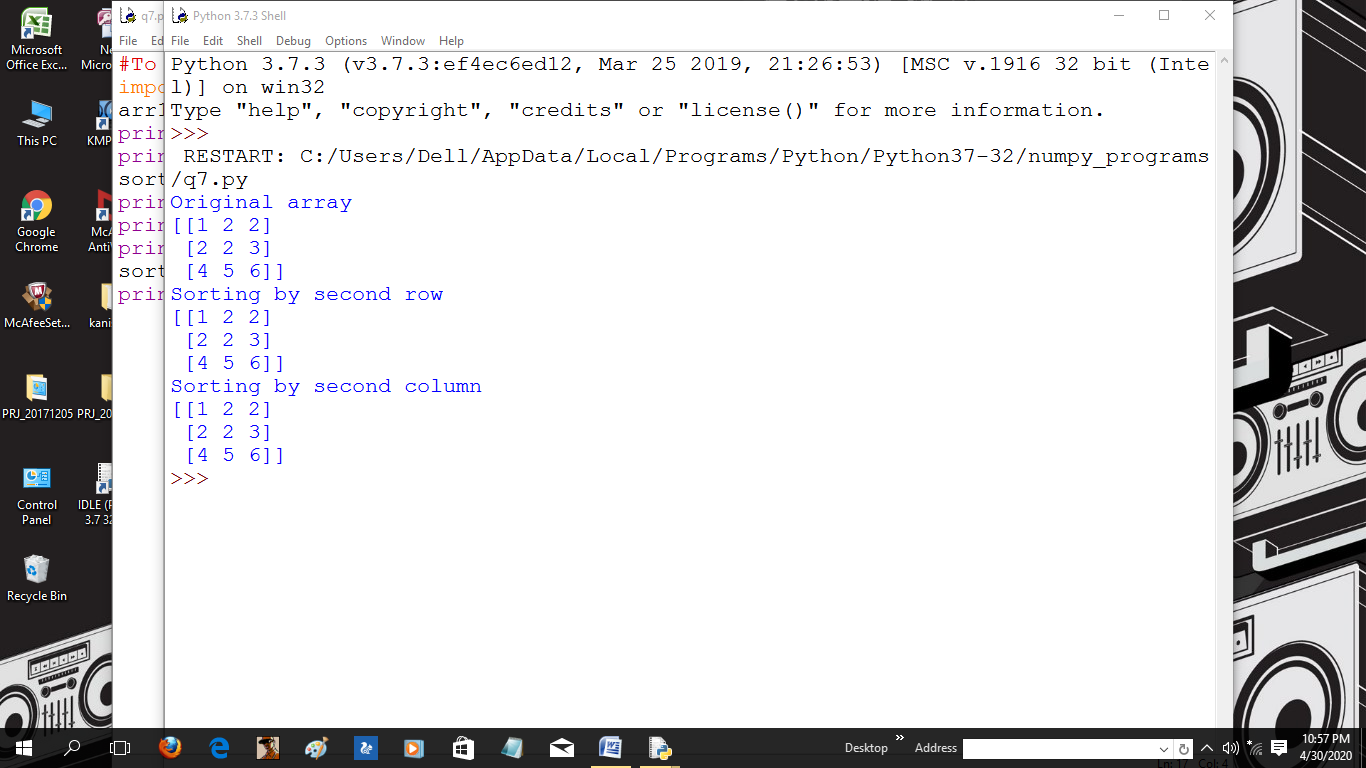
7. Sort the given numpy array:

\* by second row

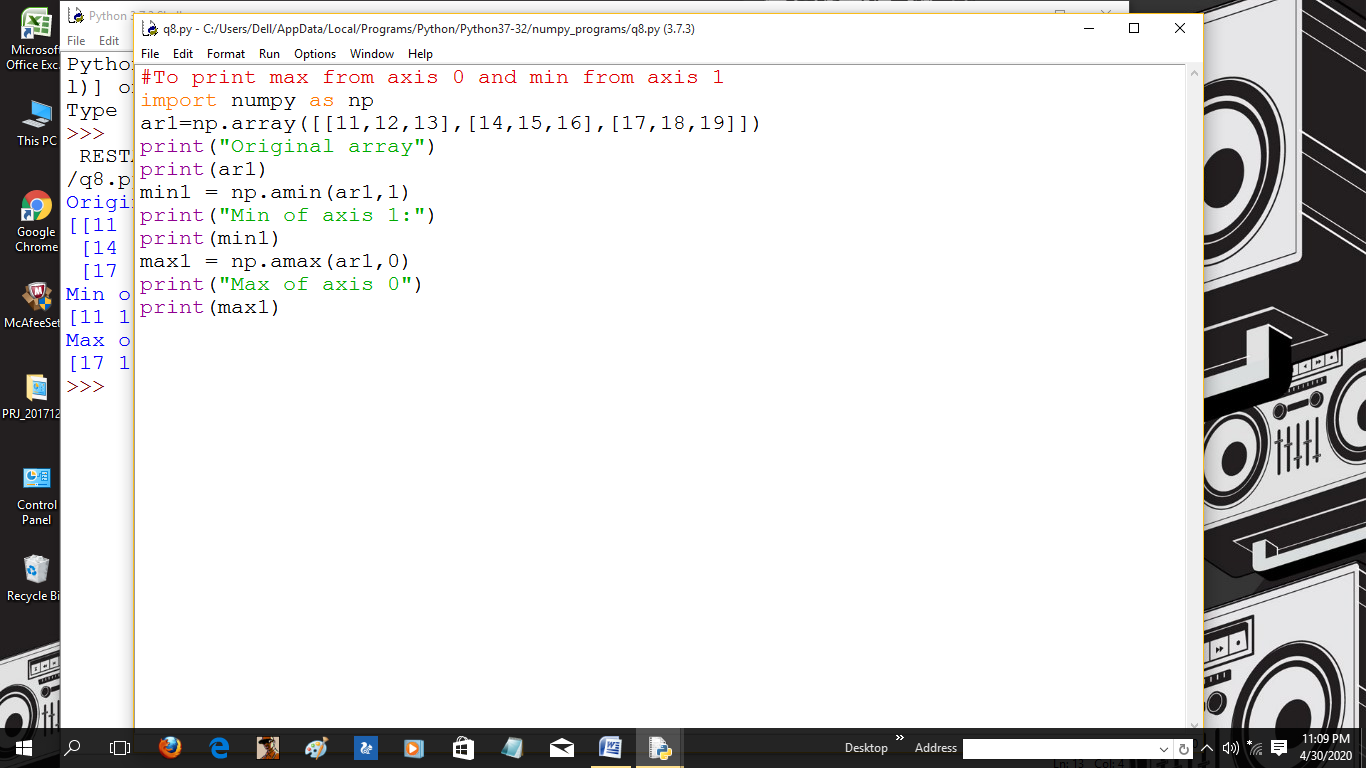
\*by second column



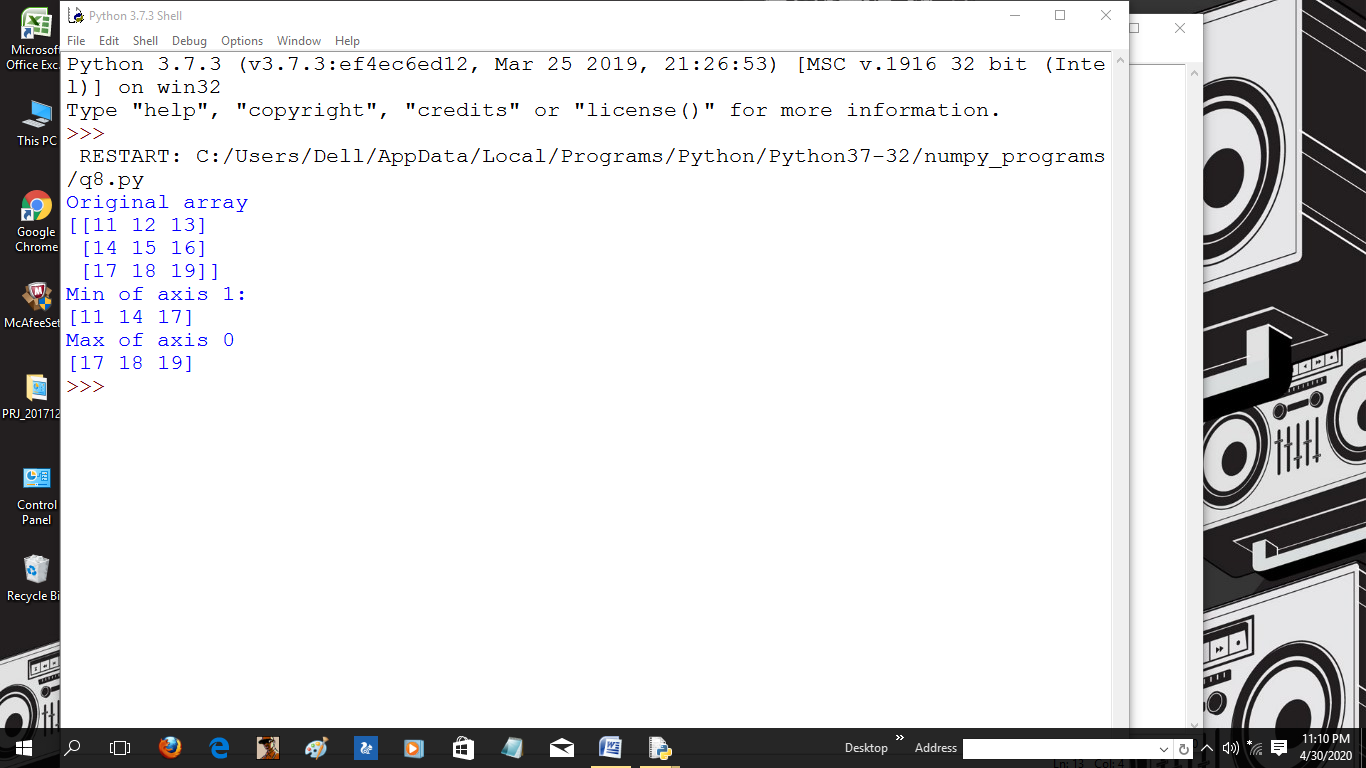
OUTPUT:



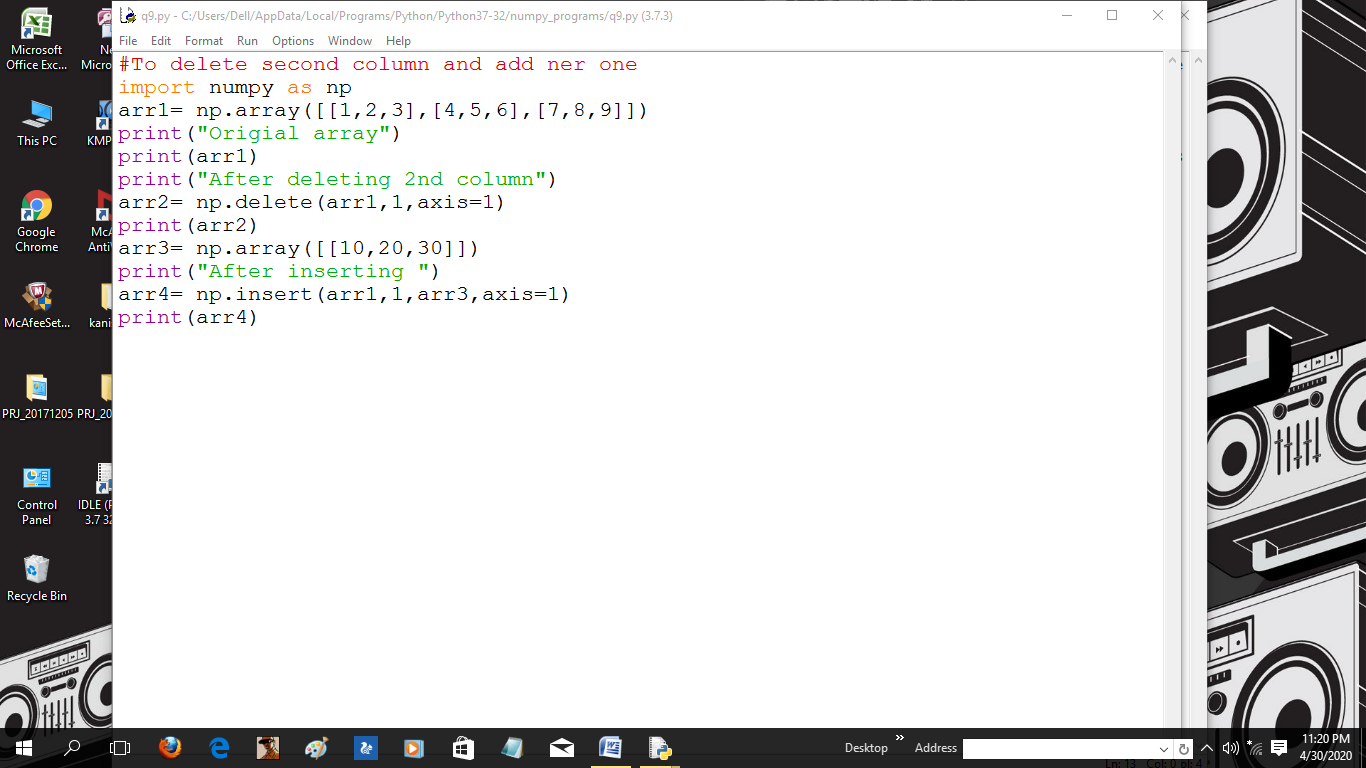
8. In a 2D numpy array print max from axis 0 and min from axis 1.



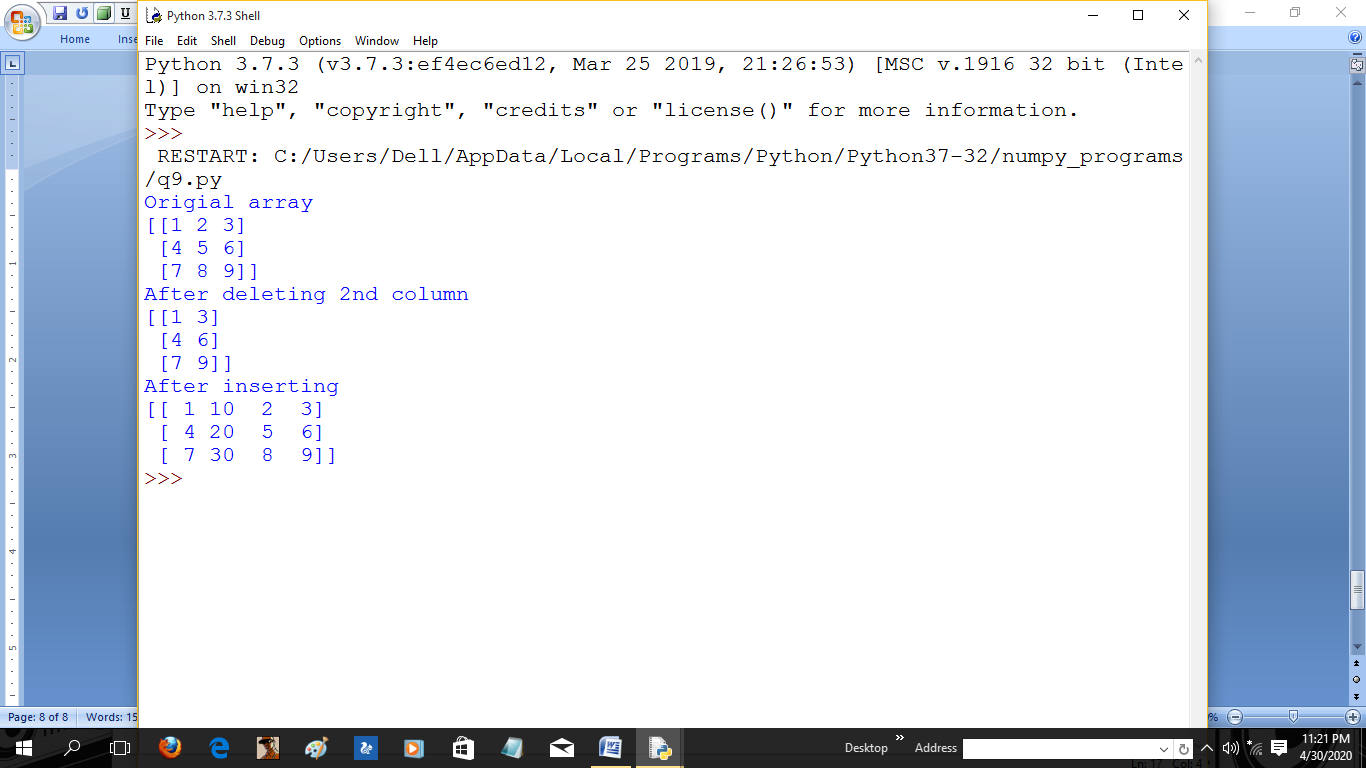
OUTPUT:



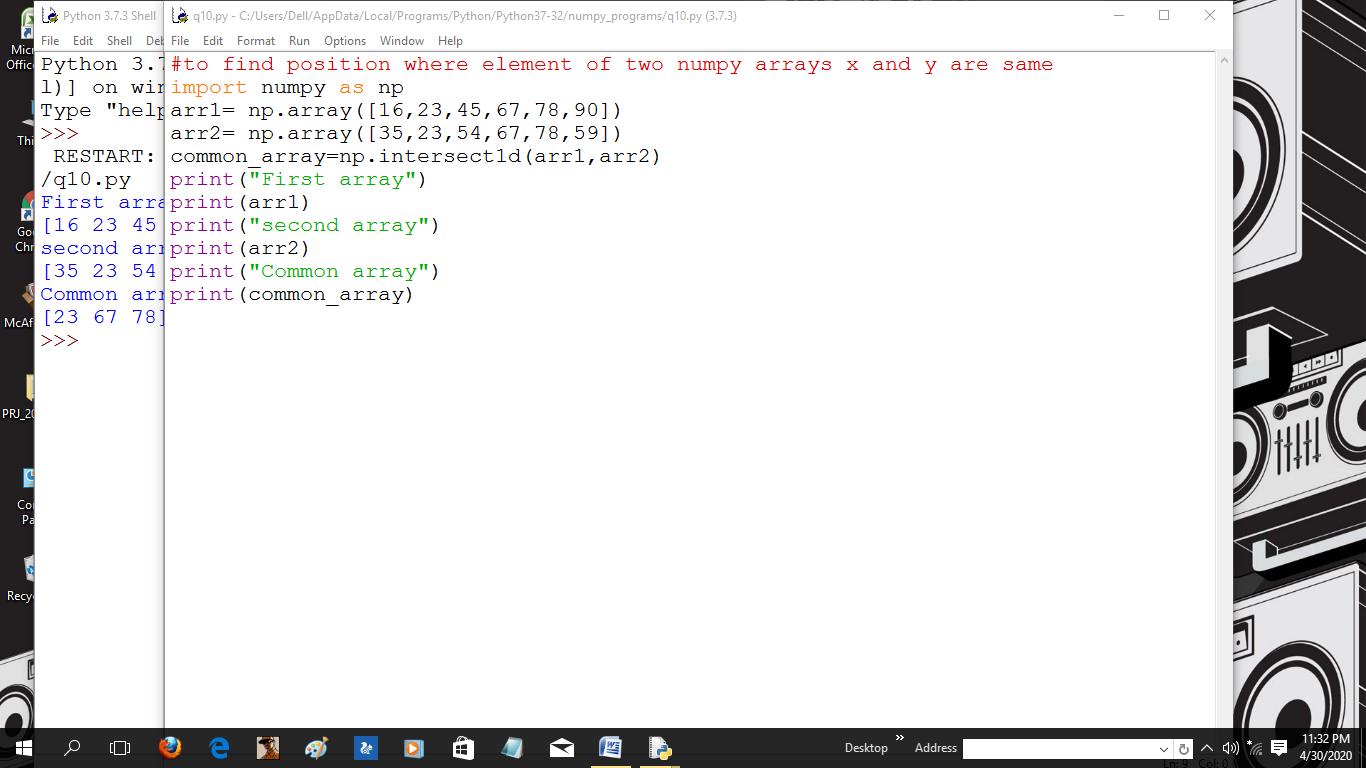
9. From a given numpy array delete second column and add a new column in its place.



OUTPUT:



10. Find the position where elements of two numpy arrays x and y are same.



OUTPUT:

