TUPLE

1.) Write a Python program to calculate the average value of the numbers in a given tuple of tuples.

Original Tuple:  
((10, 10, 10, 12), (30, 45, 56, 45), (81, 80, 39, 32), (1, 2, 3, 4))  
Average value of the numbers of the said tuple of tuples:  
[30.5, 34.25, 27.0, 23.25]  
Original Tuple:  
((1, 1, -5), (30, -15, 56), (81, -60, -39), (-10, 2, 3))  
Average value of the numbers of the said tuple of tuples:  
[25.5, -18.0, 3.75]  
  
  
2.) Write a Python program to convert a tuple of string values to a tuple of integer values.  
Original tuple values:  
(('333', '33'), ('1416', '55'))  
New tuple values:  
((333, 33), (1416, 55))  
  
3.) Write a Python program to check if a specified element presents in a tuple of tuples.  
Original list:  
(('Red', 'White', 'Blue'), ('Green', 'Pink', 'Purple'), ('Orange', 'Yellow', 'Lime'))  
Check if White presenet in said tuple of tuples!  
True  
Check if White presenet in said tuple of tuples!  
True  
Check if Olive presenet in said tuple of tuples!  
False  
  
4.) Write a Python program to compute element-wise sum of given tuples.  
Original lists:  
(1, 2, 3, 4)  
(3, 5, 2, 1)  
(2, 2, 3, 1)  
Element-wise sum of the said tuples:  
(6, 9, 8, 6)  
  
5.) Write a Python program to compute the sum of all the elements of each tuple stored inside a list of tuples.  
Original list of tuples:  
[(1, 2), (2, 3), (3, 4)]  
Sum of all the elements of each tuple stored inside the said list of tuples:  
[3, 5, 7]  
Original list of tuples:  
[(1, 2, 6), (2, 3, -6), (3, 4), (2, 2, 2, 2)]  
Sum of all the elements of each tuple stored inside the said list of tuples:  
[9, -1, 7, 8]