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Question a
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# What we should do for having a dictionary that has order (dictionaries do not have
# Answer: Use OrderedDict function from collections module
from collections import OrderedDict
definition = {'one':1, 'two':2, 'three':3, 'four':4, 'five':5}
definition['six'] = 6
OrderedDict((word, True) for word in definition)
print(definition)
Question b
def main():
    # input given in instructions (list of dictionaries)
   # Final output list of dictionaries
   final val = list()
    # looping through each dictionary in the list
   for d in input val:
       output val = dict()
       k_v = \overline{\phantom{v}}
       v_v = 0
       count = 0
        # looping through each key of the dictionary
       for i in d.keys():
           v = d[i]
           # if value of the key is a digit then add the value else just store
           if str(v).isdigit():
               v v += v
               if k_v != '':
                  \overline{k}_v += '+' + i
               else:
                   k v += i
               count += 1
           else:
               output val[i] = v
        # Finally storing average
       output_val[k_v] = v_v / count
        # Pushing the dictionary to the end of the list
       final val.append(output val)
   print(final val)
if __name__ == '__main__':
   main()
Question c
def main():
   input list = input('Input:')
    # Splitting input by comma
   input list = input list.split(',')
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# Sorting the list
    input list.sort()
    output list = input list
    print(output list)
if __name__ == '__main__':
    main()
Question d
def main():
    # Inputting Set 1 values
    i_p_1 = input('Set 1 elements separated by comma:')
    i_p_1 = i_p_1.split(',')
    # Inputting Set 2 values
    i_p_2 = input('Set 2 elements separated by comma:')
    i_p_2 = i_p_2.split(',')
    set1 = set()
    set2 = set()
    # Creating set 1
    for i in i_p_1:
        if i.isdigit():
            i = int(i)
        set1.add(i)
    # Creating set 2
    for i in i_p_2:
    if i.isdigit():
           i = int(i)
        set2.add(i)
    # Displaying symmetric difference
    print(set1 ^ set2)
if __name__ == '__main__':
    main()
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