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# remove_long_synonyms()
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"""
Define the remove_long_synonyms() function which is passed a
dictionary as a parameter. The keys of the parameter dictionary
are words and the corresponding values are lists of synonyms
(synonyms are words which have the same or nearly the same
meaning).
The function removes all the synonyms which have 7 or more
characters from each corresponding list of synonyms. As well,
the function sorts each corresponding list of synonyms.

For example, the following code:

synonyms_dict = {'look': ['gaze', 'see', 'glance', 'watch',
'peruse'],

                'put': ['place', 'set', 'attach', 'keep', 'save', 'set aside',
'effect', 'achieve', 'do', 'build'],

                'beautiful': ['pretty', 'lovely', 'handsome', 'dazzling',
'splendid', 'magnificent'],

                'slow': ['unhurried', 'gradual', 'leisurely', 'late',
'behind', 'tedious', 'slack'],

                'dangerous': ['perilous', 'hazardous', 'uncertain']

                }

remove_long_synonyms(synonyms_dict)

print("1.")

print_dict_in_key_order(synonyms_dict)

synonyms_dict = {'come': ['approach', 'advance', 'near',
'arrive', 'reach'],

                'show': ['display', 'exhibit', 'present', 'point to',
'indicate', 'explain', 'prove', 'demonstrate', 'expose'],

                'good': ['excellent', 'fine', 'superior', 'wonderful',
'grand', 'superb', 'edifying'],

                'bad': ['evil', 'immoral', 'wicked', 'contaminated',
'spoiled', 'defective', 'substandard', 'faulty', 'improper',
'inappropriate']

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contain entries which occur more than once.

After your dictionary has been created and populated, you need to remove any key-value pairs which have a corresponding value of 1. For example, if the text is "Super, duper" the algorithm proceeds as follows:

```
Character 's': String is "s", Dictionary is {}
Character 'u': String is "su", Dictionary is {}
Character 'p': String is "sup", change string to "up",
               Dictionary is {'sup': 1}
Character 'e': String is "upe", change string to "pe",
               Dictionary is {'sup': 1, 'upe': 1}
Character 'r': String is "per", change string to "er",
               Dictionary is {'sup': 1, 'upe': 1, 'per':
                             1}
Character ',': String is "er", Dictionary is {'sup': 1, 'upe':
1, 'per': 1}
Character ' ': String is "er", Dictionary is {'sup': 1, 'upe':
1, 'per': 1}
Character 'd': String is "erd", change string to "rd",
Dictionary is
               {'sup': 1, 'upe': 1, 'per': 1, 'erd': 1}
Character 'u': String is "rdu", change string to "du",
Dictionary is
               {'sup': 1, 'upe': 1, 'per': 1, 'erd':
1, 'rdu': 1}
Character 'p': String is "dup", change string to "up",
Dictionary is
               {'sup': 1, 'upe': 1, 'per': 1, 'erd': 1, 'rdu': 1,
'dup': 1}
Character 'e': String is "upe", change string to "pe",
Dictionary is
               {'sup': 1, 'upe': 2, 'per': 1, 'erd': 1, 'rdu': 1,
'dup': 1}
Character 'r': String is "per", change string to "er",
Dictionary is
               {'sup': 1, 'upe': 2, 'per': 2, 'erd': 1, 'rdu': 1,
'dup': 1}
Remove all entries with a value of 1: Dictionary is {'upe': 2,
'per': 2}
```

For example, executing the following code::

```
print("1.")
print_dict_in_key_order(get_triples_dict('super, duper'))
print("\n2.")
print_dict_in_key_order(get_triples_dict("ABC ABC ABC"))
print("\n3.")
print_dict_in_key_order(get_triples_dict("Sometimes the smallest
things make more room in your heart"))
```

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print("\n4.")
print_dict_in_key_order(get_triples_dict("My favourite painting
is the painting i did of my dog in that painting in my den"))
prints (output is shown here in four separate columns):
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```
1.          2.          3.          4.
per - 2     abc - 3     est - 2     ain - 3
upe - 2     bca - 2     sma - 2     epa - 2
           cab - 2           gin - 2
           ing - 3
           int - 4
           myd - 2
           ngi - 3
           nti - 3
           pai - 3
           tin - 3

" " "
```