Synonyms

Tuesday, February 28, 2017   10:52 PM

```
Python 2.7.11 Shell
File  Edit  Shell  Debug  Options  Window  Help

Traceback (most recent call last):
  File "J:\nlp\project\ProjectFinalSubmission-AKSHAY_PHADNIS\enhanced_query_generation_
dule>
    refined_list_of_words_in_question.extend(obtain_synonyms(word))
MemoryError
>>> def obtain_synonyms(word):
        list_of_synsets = wn.synsets(word)
        synonyms = []
        for synset in list_of_synsets:
                for lemma in synset.lemmas():
                        synonyms.append(lemma.name())
        return synonyms

>>> obtain_synonyms("cure")
[u'remedy', u'curative', u'cure', u'therapeutic', u'bring_around', u'cure', u'heal', u
>>> obtain_synonyms("treatment")
[u'treatment', u'intervention', u'treatment', u'handling', u'treatment', u'discussion'
>>> obtain_synonyms("treat")
[u'dainty', u'delicacy', u'goody', u'kickshaw', u'treat', u'treat', u'treat', u'handle
u'treat', u'care_for', u'cover', u'treat', u'handle', u'plow', u'deal', u'address', u'
t', u'treat']
>>> obtain_synonyms("prevention")
[u'prevention', u'bar']
>>> obtain_synonyms("prevent")
[u'prevent', u'forestall', u'foreclose', u'preclude', u'forbid', u'prevent', u'keep']
>>> obtain_synonyms("recommendation")
[u'recommendation', u'recommendation', u'testimonial', u'good_word', u'recommendation'
>>> obtain_synonyms("exam")
[u'examination', u'exam', u'test']
>>> obtain_synonyms("test")
[u'trial', u'trial_run', u'test', u'tryout', u'test', u'mental_test', u'mental_testing
ion', u'exam', u'test', u'test', u'trial', u'test', u'trial', u'run', u'test', u'test'
xamine', u'essay', u'screen', u'test', u'quiz', u'test', u'test', u'test', u'test', u'
>>> |
```

Irrelevant synonyms

If we use regular expressions for ans type detection,
The regular expressions
Being strings can be made up by combining synonyms
From synsets like those available in WordNET (abbreviated as wn above).
Some of these synonyms may not be relevant. We can keep those synonyms that appear more
frequently in the data regarding diabetes.

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_with_synsets.py", line 292, in <mo
```

'cure', u'cure', u'cure']

, u'treatment', u'discourse']

', u'do_by', u'process', u'treat',
treat', u'regale', u'treat', u'trea

, u'passport']

', u'psychometric_test', u'examinat
, u'prove', u'try', u'try_out', u'e
test']

Ln: 1489 Col: 4

J:\MedWhat