

ISHALI DUBEY

21BAI10484

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+ Code + Markdown

with open('shakes.txt', 'r') as file:
    text = file.read()

[1] ✓ 0.0s Python

import re

# Regular expressions for inflectional morphemes
s_pattern = r'\b\w+s\b'
es_pattern = r'\b\w+es\b'
ing_pattern = r'\b\w+ing\b'
ed_pattern = r'\b\w+ed\b'

# Find words with inflectional morphemes
s_words = re.findall(s_pattern, text)
es_words = re.findall(es_pattern, text)
ing_words = re.findall(ing_pattern, text)
ed_words = re.findall(ed_pattern, text)

# Print the results
print("Words with inflectional morphemes 's':", s_words)
print("Words with inflectional morphemes 'es':", es_words)
print("Words with inflectional morphemes 'ing':", ing_words)
print("Words with inflectional morphemes 'ed':", ed_words)

[2] ✓ 0.6s Python

... Words with inflectional morphemes 's': ['Works', 'This', 'is', 'restrictions', 'terms', 'this', 'This', 'is', 'Details', 'guidelines', 'this', 'Works', 'This', 'is', 'is', 'release
Words with inflectional morphemes 'es': ['guidelines', 'releases', 'copies', 'copies', 'does', 'codes', 'damages', 'expenses', 'fees', 'states', 'warranties', 'damages', 'fees', 'm
Words with inflectional morphemes 'ing': ['Posting', 'reading', 'including', 'resulting', 'processing', 'including', 'sending', 'including', 'following', 'increasing',
Words with inflectional morphemes 'ed': ['included', 'Produced', 'presented', 'presented', 'placed', 'protected', 'limited', 'compressed', 'displayed', 'intended', 'used', 'intende
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# Function to find morpheme pairs
def find_morpheme_pairs(words):
    pairs = []
    for word in words:
        base = word[:-1] if word.endswith('s') or word.endswith('d') else word[:-2] if word.endswith('es') else word[:-3] if word.endswith('ing') else word
        if base + 's' in words or base + 'es' in words or base + 'ing' in words or base + 'ed' in words:
            pairs.append((word, base))
    return pairs

# Combine all words with inflectional morphemes
all_inflectional_words = s_words + es_words + ing_words + ed_words

# Find morpheme pairs
morpheme_pairs = find_morpheme_pairs(all_inflectional_words)

# Print the morpheme pairs
print("Morpheme pairs:")
for pair in morpheme_pairs:
    print(pair)

✓ 2m 38.0s
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Morpheme pairs:
('Works', 'Work')
('This', 'Thi')
('is', 'i')
('restrictions', 'restriction')
('terms', 'term')
('this', 'thi')
('This', 'Thi')
('is', 'i')
('is', 'i')
('Details', 'Detail')
('guidelines', 'guideline')
('this', 'thi')
('Works', 'Work')
('This', 'Thi')
('is', 'i')
('is', 'i')
('releases', 'release')
('Etexts', 'Etext')
('This', 'Thi')
('has', 'ha')
('implications', 'implication')
('is', 'i')
('Works', 'Work')
('etexts', 'etext')
('this', 'thi')
...
('filed', 'file')
('based', 'base')
('filed', 'file')
('based', 'base')
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