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ads1-hw-examples (/github/BenLangmead/ads1-hw-examples/tree/master)
/ hw2_query_subseq_index.ipynb (/github/BenLangmead/ads1-hw-examples/tree/master/hw2_query_subseq_index.ipynb)
In [1]: # Implement the query_subseq function
         from subseq_index import SubseqIndex
        from subseq index query import query subseq
        Example 1
In [2]: t = 'to-morrow and to-morrow and to-morrow creeps in this petty pace'
        p = 'to-morrow and to-morrow '
        subseq_ind = SubseqIndex(t, 8, 3)
In [3]: occurrences, num index hits = query subseq(p, t, subseq ind)
In [4]: print(occurrences)
         [0, 14]
In [5]: print(num_index_hits)
         6
        Example 2
In [6]: # King John by William Shakespeare
         !wget http://www.gutenberg.org/ebooks/1110.txt.utf-8
        --2015-07-31 13:59:06-- http://www.gutenberg.org/ebooks/1110.txt.utf-8
        Resolving www.gutenberg.org... 152.19.134.47
        Connecting to www.gutenberg.org|152.19.134.47|:80... connected.
        HTTP request sent, awaiting response... 302 Found
        Location: http://www.gutenberg.org/cache/epub/1110/pg1110.txt [following]
        --2015-07-31 13:59:07-- http://www.gutenberg.org/cache/epub/1110/pg1110.txt
        Reusing existing connection to www.gutenberg.org:80.
        HTTP request sent, awaiting response... 200 OK
        Length: 145418 (142K) [text/plain]
        Saving to: '1110.txt.utf-8.1'
        1110.txt.utf-8.1 100%[==============] 142.01K --.-KB/s in 0.08s
        2015-07-31 13:59:07 (1.78 MB/s) - '1110.txt.utf-8.1' saved [145418/145418]
In [7]: t = open('1110.txt.utf-8').read()
        p = 'English measure backward'
        subseq_ind = SubseqIndex(t, 8, 3)
In [8]: occurrences, num_index_hits = query_subseq(p, t, subseq_ind)
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In [9]: print(occurrences)

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In [10]: print(num_index_hits)

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