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[ ] similarity = lambda doc1, doc2: cosine similarity([doc1, doc2])
[ ] vectors = vectorize(sample contents)
    s vectors = list(zip(sample files, vectors))
[ ] def check_plagiarism():
        results = set()
       global s vectors
        for sample a, text vector a in s vectors:
           new_vectors = s_vectors.copy()
           current_index = new_vectors.index((sample_a, text_vector_a))
           del new vectors[current index] #remove compared sample, vector
           for sample b, text vector b in new vectors:
               sim score = similarity(text_vector_a, text_vector_b)[0][1]
               sample pair = sorted((sample a, sample b))
               score = sample pair[0], sample pair[1], sim score
               results.add(score)
        return results
 for sample in sample files, sample contents:
         print(sample)
         print("**************")
    ['test2.txt', 'test3.txt', 'test1.txt', 'test4.txt']
      "The Mona Lisa is one of Leonardo da Vinci\'s most famous paintings."\n', '"Shakespeare\'s plays are considered masterpieces of English literature."\n', '"The theory of relativity re
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for sample in sample files, sample_contents:
    print(sample)
    print(""""")

['test2.txt', 'test3.txt', 'test1.txt', 'test4.txt']

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