

**School of Computer Science and Engineering**

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**Code:**

# -\*- coding: utf-8 -\*-

"""

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"""

import re

fopen1 = open('Artificaial intelligence.txt', 'r')

for line1 in fopen1:

print(line1)

fopen2 = open('machine learning.txt', 'r')

for line2 in fopen2:

print(line2)

fopen1 = open('Artificaial intelligence.txt', 'r')

data1 = fopen1.read()

words1 = data1.split()

print('Number of words in text file1 :', len(words1))

fopen2 = open('machine learning.txt', 'r')

data2 = fopen2.read()

words2 = data2.split()

print('Number of words in text file1 :', len(words2))

fopen = open('Artificaial intelligence.txt','r')

text\_string = fopen.read().lower()

match\_pattern = re.findall(r'\b[a-z]{3,15}\b', text\_string)

frequency = {}

for word in match\_pattern:

count = frequency.get(word,0)

frequency[word] = count + 1

frequency\_list = frequency.keys()

for words in frequency\_list:

print (words, frequency[words])

print("#####COMMON WORDS -4")

#Group in a list the words common for two text files and show their total count

f1 = open("machine learning.txt").readlines()

f2 = open("Artificaial intelligence.txt").readlines()

if len(f1) != 0 | len(f2) != 0:

uniq1 = set(words for line in f1 for words in line.strip().split())

uniq2 = set(wordss for lines in f2 for wordss in lines.strip().split())

for words in uniq1:

for wordds in uniq2:

if words == wordds:

print(words)

**Output:**



