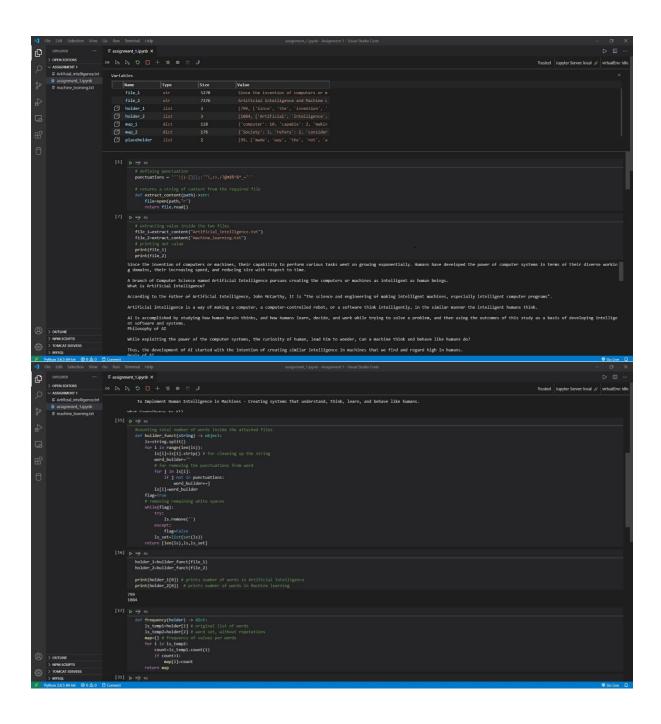
Web mining Assignment 1
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Question:

Practice Programming Exercise:

Write a python program to

- Extract content from two text files attached
- Count the total number of words in each text file
- Count the frequency of repetition of each word found in each file.
- Group in a list the words common for two text files and show their total count

Screenshots:



```
| Comparing | Comp
```

Code:

```
punctuations = '''!()-[]{};:'"\,<>./?@#$%^&*_~'''
def extract_content(path)->str:
    file=open(path, "r")
    return file.read()
file_1=extract_content("Artificial_intelligence.txt")
file_2=extract_content("machine_learning.txt")
print(file_1)
print(file_2)
def builder_funct(string) -> object:
    ls=string.split()
    for i in range(len(ls)):
        ls[i]=ls[i].strip() # for cleaning up the string
        word_builder=""
        for j in ls[i]:
            if j not in punctuations:
                word_builder+=j
        ls[i]=word builder
```

```
flag=True
    while(flag):
        try:
            1s.remove('')
        except:
            flag=False
        ls_set=list(set(ls))
    return [len(ls),ls,ls_set]
holder_1=builder_funct(file_1)
holder_2=builder_funct(file_2)
print(holder_1[0]) # prints number of words in Artificial Intelligence
print(holder_2[0]) # prints number of words in Machine learning
def frequency(holder) -> dict:
    ls temp1=holder[1] # original list of words
    ls_temp2=holder[2] # word set, without repetations
    map={} # frequency of values per words
    for i in ls_temp2:
        count=ls_temp1.count(i)
        if count>1:
            map[i]=count
    return map
map 1=frequency(holder 1)
map_2=frequency(holder_2)
print(map_1)
print(map_2)
def merge_count(holder_1,holder_2) -> object:
    set1=set(holder_1[2])
    set2=set(holder 2[2])
    list_temp=list(set1.intersection(set2))
    return [len(list_temp),list_temp]
placeholder=merge_count(holder_1,holder_2)
print(placeholder[0])
print(placeholder[1])
```