Lab File

1. Write a Python program and perform the following steps: a. Read the temp.txt file b. Save the contents of temp.txt file in a list c. Write the contents into a new file

In [1]:
```
with open('/Users/liza/Desktop/IDS400 A&L/Labs/temp.txt', 'r') as f:
    file_contents = f.readlines()

with open('new_file.txt', 'w') as f:
    f.writelines(file_contents)
```

1. Word count Write a Python program to compute the frequency of words from the artical.txt file. The output should print the result after sorting the words alphanumerically in ascending order in the format of a dictionary. Suppose the article (including multiple sentences) is obtained from file reading. Example: Read article.txt: Beginner means someone who has just gone through an introductory Python course. He can solve some problems with 1 or 2 Python classes or functions. Normally, ... Output: {1: 1, 2: 1, a: 1, already: 1, an: 1, ...} Note: • Your program should be case-insensitive. • To remove punctuation: https://towardsdatascience.com/how-toefficiently-remove-punctuations-from-a-string-899ad4a059fb

In [4]:
```
import string

with open('/Users/liza/Desktop/IDS400 A&L/Labs/article.txt', 'r') as f:
    text = f.read()

text = text.translate(str.maketrans('', '', string.punctuation))

text = text.lower()

words = text.split()

word_counts = {}

for word in words:
    if word in word_counts:
        word_counts[word] += 1
    else:
        word_counts[word] = 1

sorted_word_counts = dict(sorted(word_counts.items()))

print(sorted_word_counts)
```

```
{'1': 1, '2': 1, 'a': 1, 'already': 1, 'an': 1, 'answers': 1, 'background': 1,
'be': 1, 'before': 1, 'beginner': 1, 'but': 1, 'can': 1, 'classes': 1, 'could':
1, 'course': 1, 'directly': 1, 'found': 1, 'from': 1, 'functions': 1, 'gone': 1,
'has': 3, 'he': 1, 'in': 1, 'intermediate': 1, 'introductory': 1, 'just': 2, 'le
arned': 1, 'means': 2, 'normally': 1, 'or': 2, 'problems': 1, 'programming': 1,
'python': 3, 'relatively': 1, 'solve': 1, 'some': 1, 'someone': 2, 'strong': 1,
'textbooks': 1, 'the': 2, 'through': 1, 'who': 2, 'with': 1}
```