## **Question 1**

My birthday is January 1, 1998.

```
Mapper
"""mapper.pv"""
import sys
f=open(r'C:\Users\santosh\Downloads\File1.txt', encoding='utf-8')
test dict = []
for line in f.readlines():
    line = line.strip()
    words = line.split()
    for word in words:
         test dict.append({word:1})
print(test dict)
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Reducer
"""reducer.py"""
from operator import itemgetter
import sys
current word = None
current count = 0
seg words=[]
word = None
for index in range(len(test dict)):
    for word in test dict[index]:
        keys list = [i for s in [d.keys() for d in seq words] for i in
s]
        if word in keys list:
             seq words[keys list.index(word)][word] += 1
        else:
             seq words.append({word: 1})
print(seq words)
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Question 2
Mapper
import enchant
"""mapper.pv"""
import sys
f=open(r'C:\Users\santosh\Downloads\File2.txt', encoding='utf-8')
dictionary = enchant.Dict("en US")
test dict = []
for line in f.readlines():
    line = line.strip()
    words = line.split()
    for word in words:
         if not dictionary.check(word):
             test dict.append({word:1})
print(test dict)
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```

```
Reducer
"""reducer.pv"""
from operator import itemgetter
import sys
current word = None
current count = 0
seg words=[]
word = None
for index in range(len(test dict)):
     for word in test dict[index]:
          keys list = [i for s in [d.keys() for d in seq words] for i in
s1
          if word in keys list:
                seq words[keys list.index(word)][word] += 1
          else:
                seq words.append({word: 1})
print(seq words)
[{'|': 11}, {'-': 11}, {'J.K.': 11}, {'froze,': 2}, {'horrorstruck,':
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