**Mock Test 2 - Big Data Question 2**

**Question 2: Write a MapReduce program to calculate the word count of a given input text file.**

**Ans:**

from mrjob.job import MRJob

import re

WORD\_REGEX = re.compile(r"[\w']+")

class WordCount(MRJob):

def mapper(self, \_, line):

words = WORD\_REGEX.findall(line)

for word in words:

yield word.lower(), 1

def combiner(self, word, counts):

yield word, sum(counts)

def reducer(self, word, counts):

yield word, sum(counts)

if \_\_name\_\_ == '\_\_main\_\_':

WordCount.run()