**W1D4**

Question 1

**Create a Java simulator for WordCount with In mapper combining.**

Create a InMapperWordCount class. You should be able to specify the number of Input-splits (the same as the number of Mappers) and the number of reducers.

You have already created the Mapper class. (See W1D1). Just modify it appropriately.

Add necessary output statements so that your output matches one shown in the attached file “InMapperTestDataOutput”.

Question 2

Create a Java simulator to compute the average length words beginning with the same letter.

For example, if the file {Addison ate a red apple} will produce two key-value pairs:

< a, 4.0 > // 16 = 7 + 3 + 1 + 5 16/4 = 4.0

< r, 3.0 > // 3 3/1 = 3.0

**Number of Mappers: 4**

**Number of Reducers: 3**

**Please use the same getPartition method.**

File 1:

Art is beautiful and life enhancing. However it pays very little. Many artists have a hard life.

File 2:

Sun is there every day. Moon comes every day. Let us live every day as the best day so far.

File 3

Meditation is very important for the development of consciousness. So let us meditate every day.

File 4

Earth is blue if you look from outer space. Mars is red. Moon is yellow. Sun is white. What a wonderful world.