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School of Computing Science and Engineering

LAB - 4 Exercises

Course Code	**:**	**CSE3025 – Large Scale Data Processing**	**Date**	**:**	**14/08/2019**
Lab Experiment	**:**	**MapReduce Programming Exercise on Word Count Problems**	**Slots**	**:**	**L15+L16**
Instructors	**:**	**Dr. Bharadwaja Kumar and Prof. Ramesh Ragala**			

Objective:

1. To understand the detailed processing of MapReduce Framework

Problem- 1:

Develop a Java MapReduce Application to produce unique <key-value> pairs from given text file, where the key consists of a single word and value consists of the word which has all the characters of the corresponding key in reverse order.

Problem - 2:

Develop a Java MapReduce Application to produce unique <key-value> pairs from given text file, where the key consists of a single word and value contains length of the corresponding key.

Problem - 3:

Develop a Java MapReduce Application to produce the following results for any one of the attribute in a given CSV file. [Assume CSV has more than two attributes and all these attributes have numerical values.]

1. Sum
2. Average
3. Median
4. Mode
5. Standard Deviation