# **Assignment 3.1**

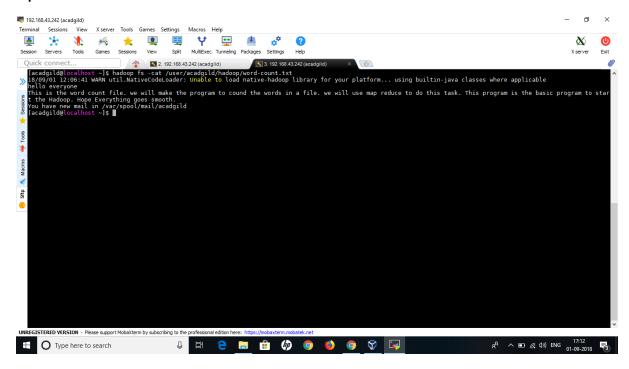
**Task:** Execute Word Median, Word Mean and Word Standard Deviation Programs using Jar file present in our VM.

1. **Word Median:** A map/reduce program that counts the median length of the words in the input files.

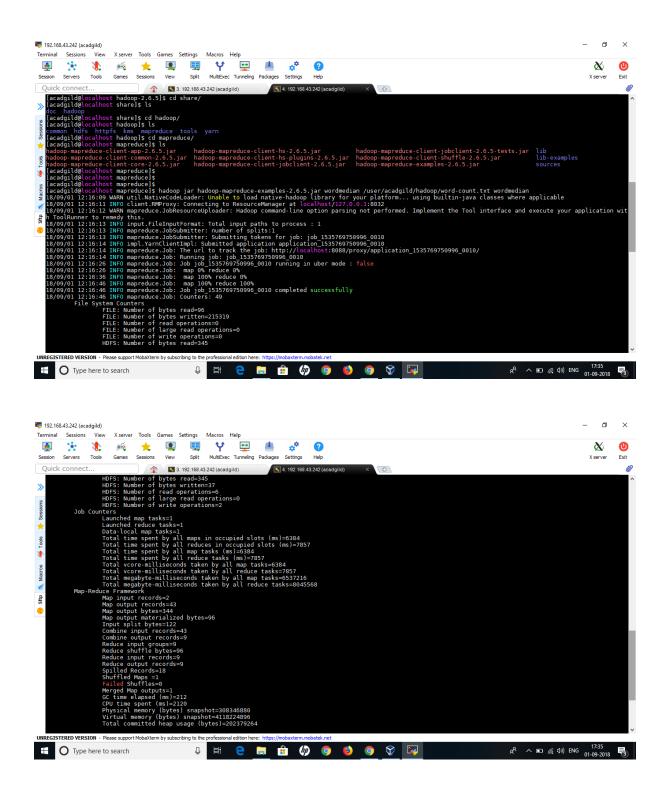
**Command:** hadoop jar hadoop-mapreduce-examples-2.6.5.jar wordmedian/user/acadgild/hadoop/word-count.txt wordmedian

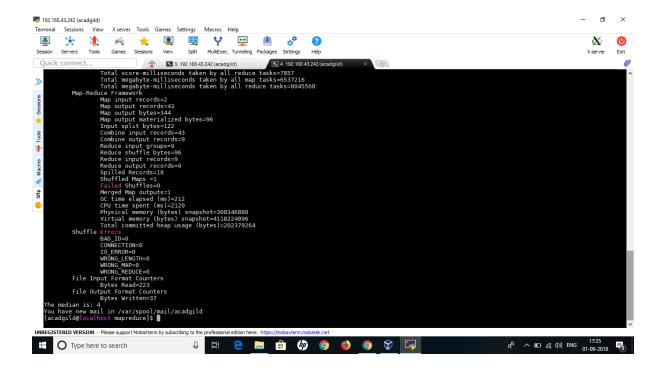
**Explanation:** We have used the map reduce jar file and mentioned the name of the program as wordmedian then input file path as well as provide the output Path.

## **Input File Content:**



### **Command Execution:**



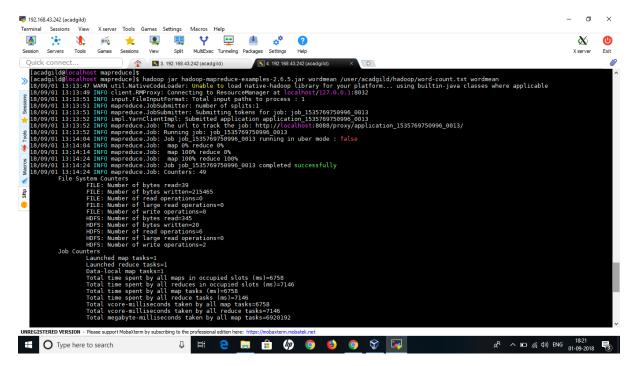


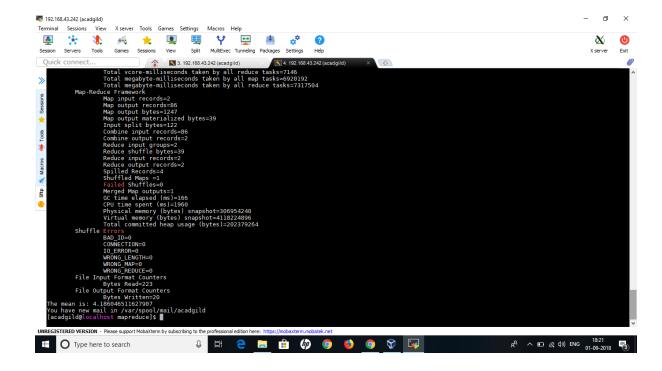
2. Word Mean: A map/reduce program that counts the average length of the words in the input files.

**Command:** hadoop jar hadoop-mapreduce-examples-2.6.5.jar wordmean /user/acadgild/hadoop/word-count.txt wordmean

**Explanation:** We have used the map reduce jar file and mentioned the name of the program as wordmean then input file path as well as provide the output Path.

### **Command Execution:**





3. **Word Standard Deviation:** A map/reduce program that counts the standard deviation of the length of the words in the input files.

**Command:** hadoop jar hadoop-mapreduce-examples-2.6.5.jar wordstandarddeviation/user/acadgild/hadoop/word-count.txt wordstandarddeviation

**Explanation:** We have used the map reduce jar file and mentioned the name of the program as wordstandarddeviation then input file path as well as provide the output Path.

#### **Command Execution:**

