# 215229140

# **Exercise 03: Stop Word Elimination using Map Reduce**

Previous exercise described how to count repeated words in the input file. This exercise practice the students to do MapReduce process using word counting application with elimination words.

## Prerequisites

Ensure that Hadoop is installed, configured and is running. More details:

Single Node Setup for first-time users.

Cluster Setup for large, distributed clusters.

## **Inputs and Outputs**

i. Input file should be in : /wcsw/in00/

#### data.txt

Copy the content text from Shakespeare.txt, Which is attached in Google classroom. sw.txt

Add following elimination words into sw.txt file.

ااد

is

the

our

I

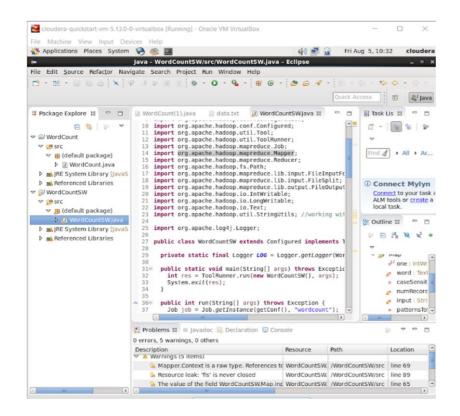
It

ii. Output file should be in /wcsw/out00/

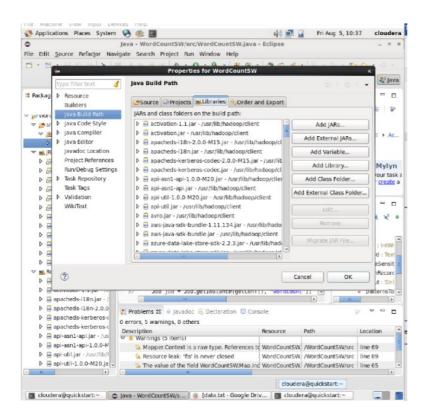
## Step 1

Compile WordCountSW.java and create a WordCountSW.jar:

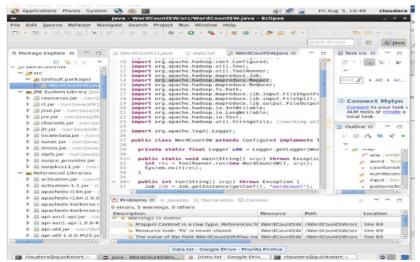
(i) Create WordCountSW.java project.



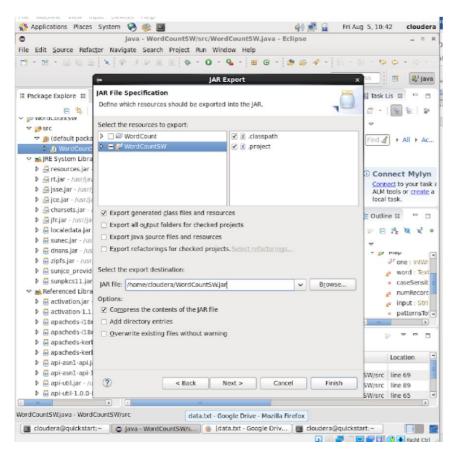
(ii) Import external .jar files



( iii) Create WordCount class file using Google classroom attached WordCount.java file.



( iv) Create WordCountSW.jar file



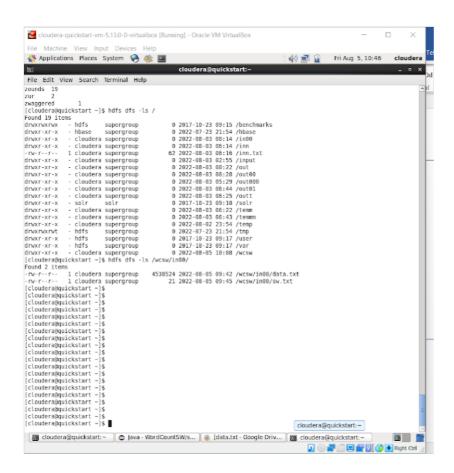
**Step 2** Create following folders in HDFS:

- /wcsw/in00 input directory in HDFS
- / wcsw/out00 output directory in HDFS



#### Step 3

Create and copy data text-files into input folder:



### Step-4

Create and copy sw text-files into input folder:

[ cloudera@quickstart ~]\$ hdfs dfs -ls /wcsw/in00/

## Found 2 items

```
- rw-r--r- 1 cloudera supergroup 3309 2021-08-24 07:00 /wcsw/in00/data.txt rw-r--r- 1 cloudera supergroup 15 2021-08-24 07:02 /wcsw/in00/sw.txt
```

### Step 5

Run the MapReduce application with skip option:

[ cloudera@quickstart ~]\$ hadoop jar /home/cloudera/WordCountSW.jar /wcsw/in00/data.txt /wcsw/out00/ -skip /wcsw/in00/sw.txt

Show MapReduce Framework

