

Assignment 1 Report

1. Screenshot below of Hadoop command running from Hadoop/bin/

```
jimmy@jimmy-VirtualBox:~$ ls
data      Documents  examples.desktop  Music      Public      Videos
Desktop   Downloads  Hadoop            Pictures   Templates

jimmy@jimmy-VirtualBox:~$ Hadoop/bin/hadoop
Usage: hadoop [OPTIONS] SUBCOMMAND [SUBCOMMAND OPTIONS]
or hadoop [OPTIONS] CLASSNAME [CLASSNAME OPTIONS]
where CLASSNAME is a user-provided Java class

OPTIONS is none or any of:

buildpaths          attempt to add class files from build tree
--config dir        Hadoop config directory
--debug             turn on shell script debug mode
--help              usage information
hostnames list[,of,host,names] hosts to use in slave mode
hosts filename      list of hosts to use in slave mode
loglevel level      set the log4j level for this command
workers             turn on worker mode

SUBCOMMAND is one of:

Admin Commands:

daemonlog           get/set the log level for each daemon

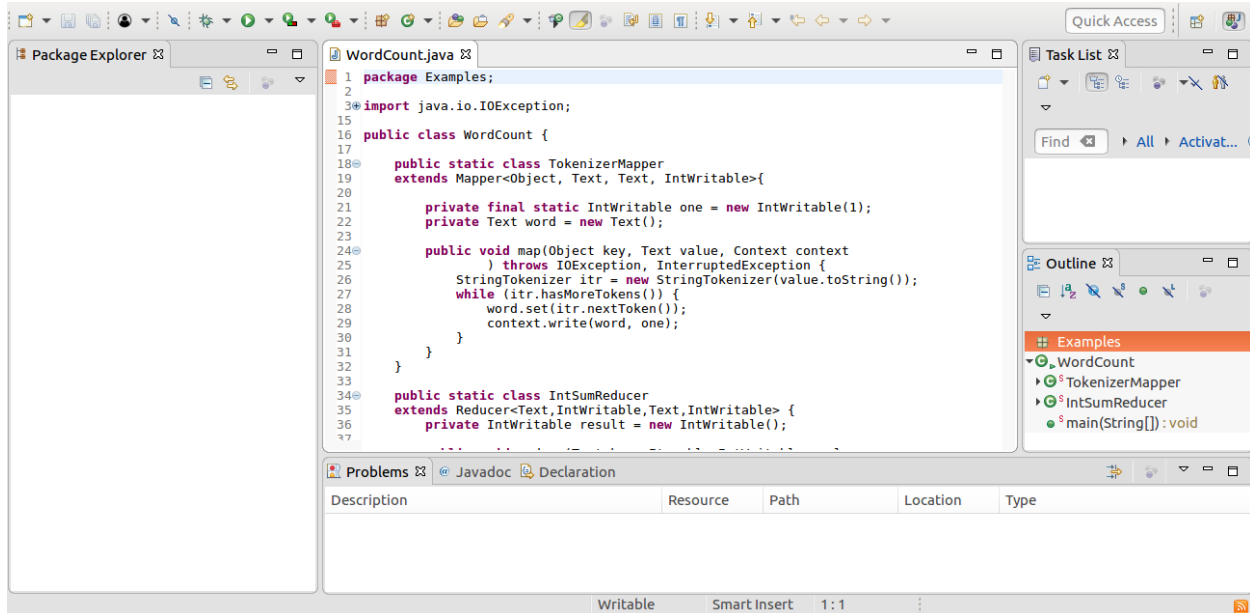
Client Commands:

archive             create a Hadoop archive
checknative         check native Hadoop and compression libraries availability
classpath           prints the class path needed to get the Hadoop jar and the
                    required libraries
confest             validate configuration XML files
credential          interact with credential providers
distch             distributed metadata changer
distcp             copy file or directories recursively
dtutil             operations related to delegation tokens
```

2) File peterpan.txt and test.txt uploaded to HDFS successfully

```
jimmy@jimmy-VirtualBox: ~/hadoop
/*****
SHUTDOWN_MSG: Shutting down NameNode at jimmy-VirtualBox/127.0.1.1
*****/
jimmy@jimmy-VirtualBox:~$ sbin/start-dfs.sh
-bash: sbin/start-dfs.sh: No such file or directory
jimmy@jimmy-VirtualBox:~$ cd hadoop
jimmy@jimmy-VirtualBox:~/hadoop$ sbin/start-dfs.sh
Starting namenodes on [localhost]
Starting datanodes
Starting secondary namenodes [jimmy-VirtualBox]
jimmy@jimmy-VirtualBox:~/hadoop$ hdfs dfs -mkdir /user
jimmy@jimmy-VirtualBox:~/hadoop$ hdfs dfs -mkdir /user/jimmy
jimmy@jimmy-VirtualBox:~/hadoop$ hdfs dfs -mkdir /user/jimmy/data
jimmy@jimmy-VirtualBox:~/hadoop$ hdfs dfs -put /home/jimmy/data/peterpan.txt /user/jimmy/data
jimmy@jimmy-VirtualBox:~/hadoop$ hdfs dfs -put /home/jimmy/data/test.txt /user/jimmy/data
jimmy@jimmy-VirtualBox:~/hadoop$ hdfs dfs -ls /user/jimmy/data
Found 2 items
-rw-r--r-- 1 jimmy supergroup 291927 2018-01-29 16:16 /user/jimmy/data/peterpan.txt
-rw-r--r-- 1 jimmy supergroup 66 2018-01-29 16:16 /user/jimmy/data/test.txt
jimmy@jimmy-VirtualBox:~/hadoop$
```

3) WordCount.java imported and exported to .jar in Eclipse.



4) WordCount.jar run on peterpan.txt and test.txt

