

To mount folder

1. Create folder on desktop with name data in machine as well as cloudera
2. In virtualbox cloudera right click -> settings -> shared folders -> right click -> add shared folder -> enter folder path of data -> tick auto-mount and make permanent
3. Open terminal

```
>> su
Enter password
>> cd Desktop
Go to directory where data folder is
>> mount -t vboxsf data data
```

1.open Eclipse

2.file->New-> Java project(wordcount)->next->libraries->add external JAR

File system -> usr->lib->hadoop->all JARS

Add External JARS->File system -> usr->lib->hadoop->client->ALL JARS

Add External JARS->File system -> usr->lib->hadoop-mapreduce->ALL JARS

ADD LIBRARY->JRE system library-> finish->finish

3.src(right click)->new->package (wordcount)->finish

src(right click)->new->class (wordcount)->finish

Now copy paste in wordcount.java

Package WordCount rehene do (same as projectname), baki copy paste (match class name with code)

4.right click on folder(wordcount)-> export->java->JAR file->browse->Desktop->save bc(wordcount.jar)->finish->close

New terminal

For safe mode (hdfs dfsadmin -safemode leave)

```
>> hdfs dfs -mkdir inputf
```

For word count : create a sample txt file (words.txt)

For movie/log/music/radio : import the csv dataset

```
>> hdfs dfs -put /home/cloudera/Desktop/data/<sample file/csv (words.txt)> /<random name for input folder (inputf)>
```

```
>> hdfs dfs -cat /<(inputf)>/<(words.txt)>
only to check if put was successful
```

```
>> hadoop jar /home/cloudera/Desktop/wordcount.jar <package name>.<classname> in  
code> /inputf/words.txt /wordoutput1
```

It will run successfully

```
>> hdfs dfs -cat /wordoutput1/part-r-00000
```