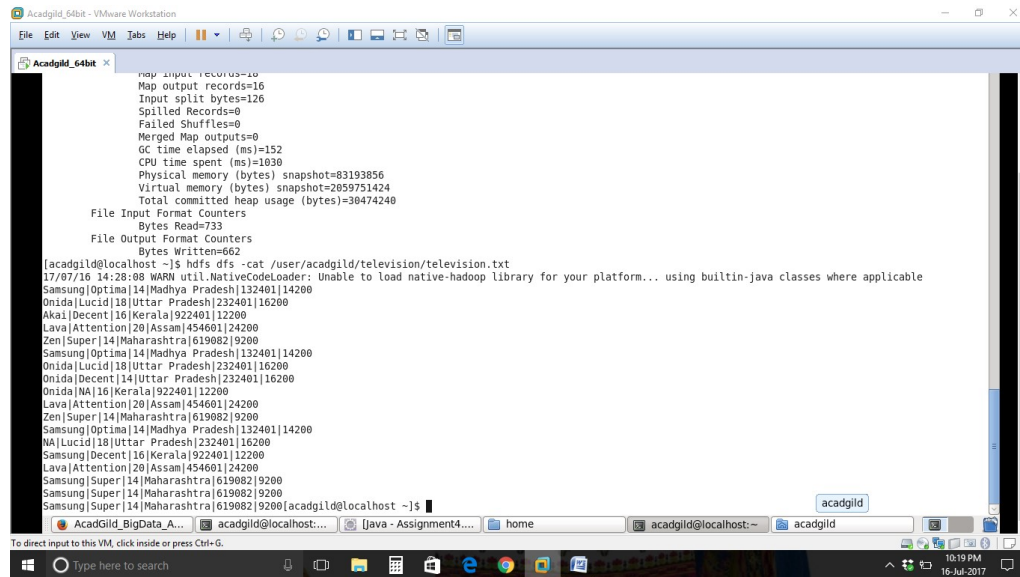


Assignment 4.1

Screenshots

Input File in HDFS

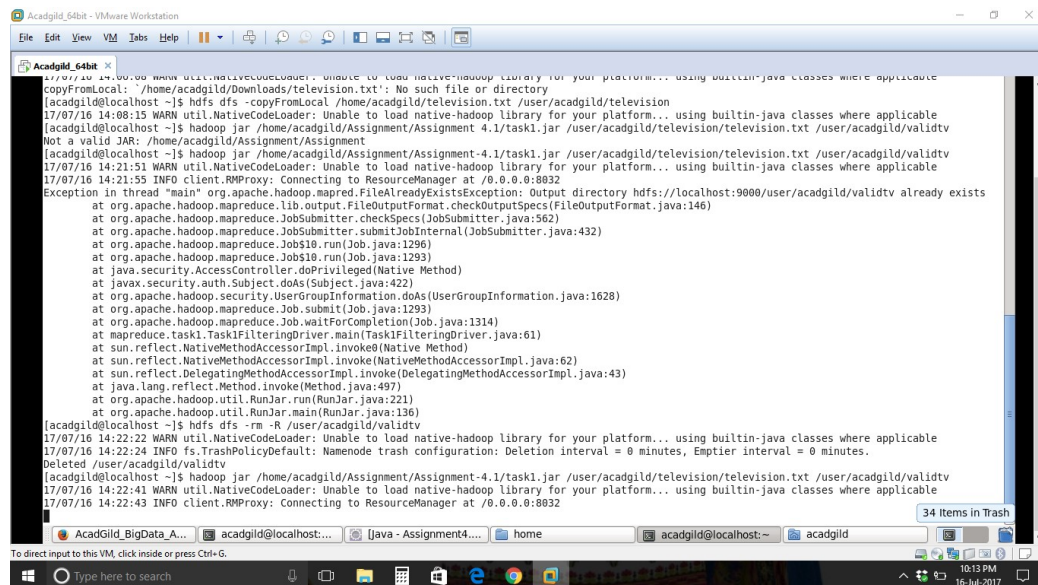


```
map input records=10
Map output records=16
Input split bytes=126
Spilled Records=0
Failed Shuffles=0
Merged Map outputs=0
GC time elapsed (ms)=152
CPU time spent (ms)=1030
Physical memory (bytes) snapshot=83193856
Virtual memory (bytes) snapshot=2059751424
Total committed heap usage (bytes)=30474240

File Input Format Counters
  Bytes Read=733
File Output Format Counters
  Bytes Written=662

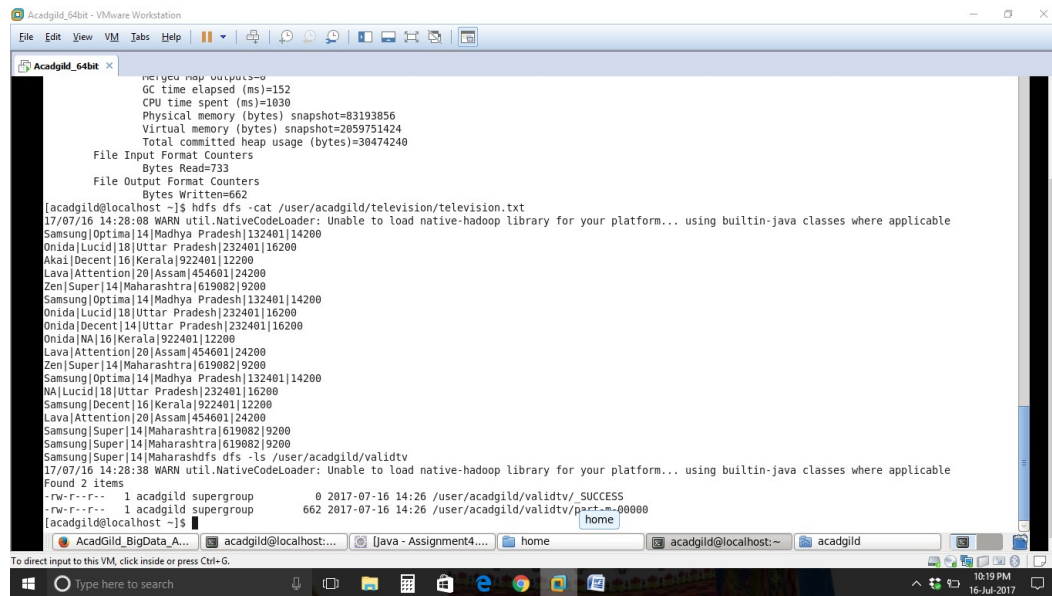
[acagild@localhost ~]$ hdfs dfs -cat /user/acagild/television/television.txt
17/07/16 14:28:08 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Samsung[Optima][14][Madhya Pradesh][132401][14200
Onida[Lucid][18][Uttar Pradesh][232401][16200
Akai[Decent][16][Kerala][922401][12200
Lava[Attention][20][Assam][454601][24200
Zen[Super][14][Maharashtra][619082][9200
Samsung[Optima][14][Madhya Pradesh][132401][14200
Onida[Lucid][18][Uttar Pradesh][232401][16200
Onida[Decent][14][Uttar Pradesh][232401][16200
Onida[NA][16][Kerala][922401][12200
Lava[Attention][20][Assam][454601][24200
Zen[Super][14][Maharashtra][619082][9200
Samsung[Optima][14][Madhya Pradesh][132401][14200
NA[Lucid][18][Uttar Pradesh][232401][16200
Samsung[Decent][16][Kerala][922401][12200
Lava[Attention][20][Assam][454601][24200
Samsung[Super][14][Maharashtra][619082][9200
Samsung[Super][14][Maharashtra][619082][9200
Samsung[Super][14][Maharashtra][619082][9200[acagild@localhost ~]$
```

Processing with input and output path



```
17/07/16 14:28:08 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
copyFromLocal: /home/acagild/Downloads/television.txt: No such file or directory
[acagild@localhost ~]$ hdfs dfs -copyFromLocal /home/acagild/television.txt /user/acagild/television
17/07/16 14:08:15 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acagild@localhost ~]$ hadoop jar /home/acagild/Assignment/Assignment 4.1/task1.jar /user/acagild/television/television.txt /user/acagild/validtv
Not a valid JAR: /home/acagild/Assignment/Assignment
[acagild@localhost ~]$ hadoop jar /home/acagild/Assignment/Assignment-4.1/task1.jar /user/acagild/television/television.txt /user/acagild/validtv
17/07/16 14:21:51 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
17/07/16 14:21:55 INFO client.RMProxy: Connecting to ResourceManager at /0.0.0.0:8032
Exception in thread "main" org.apache.hadoop.mapred.FileAlreadyExistsException: Output directory hdfs://localhost:9000/user/acagild/validtv already exists
    at org.apache.hadoop.mapreduce.lib.output.FileOutputFormat.checkOutputSpecs(FileOutputFormat.java:146)
    at org.apache.hadoop.mapreduce.JobSubmitter.checkSpecs(JobSubmitter.java:562)
    at org.apache.hadoop.mapreduce.JobSubmitter.submitJobInternal(JobSubmitter.java:432)
    at org.apache.hadoop.mapreduce.Job$10.run(Job.java:1296)
    at org.apache.hadoop.mapreduce.Job$10.run(Job.java:1293)
    at java.security.AccessController.doPrivileged(Native Method)
    at javax.security.auth.Subject.doAs(Subject.java:422)
    at org.apache.hadoop.mapreduce.security.UserGroupInformation.doAs(UserGroupInformation.java:1628)
    at org.apache.hadoop.mapreduce.Job.submit(Job.java:1293)
    at org.apache.hadoop.mapreduce.Job.waitForCompletion(Job.java:1314)
    at mapreduce.task1.Task1FilteringDriver.main(Task1FilteringDriver.java:61)
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke(Method.java:497)
    at org.apache.hadoop.util.RunJar.run(RunJar.java:221)
    at org.apache.hadoop.util.RunJar.main(RunJar.java:136)
[acagild@localhost ~]$ hdfs dfs -rm -R /user/acagild/validtv
17/07/16 14:22:22 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Deleted /user/acagild/validtv
[acagild@localhost ~]$ hadoop jar /home/acagild/Assignment/Assignment-4.1/task1.jar /user/acagild/television/television.txt /user/acagild/validtv
17/07/16 14:22:41 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
17/07/16 14:22:43 INFO client.RMProxy: Connecting to ResourceManager at /0.0.0.0:8032
```

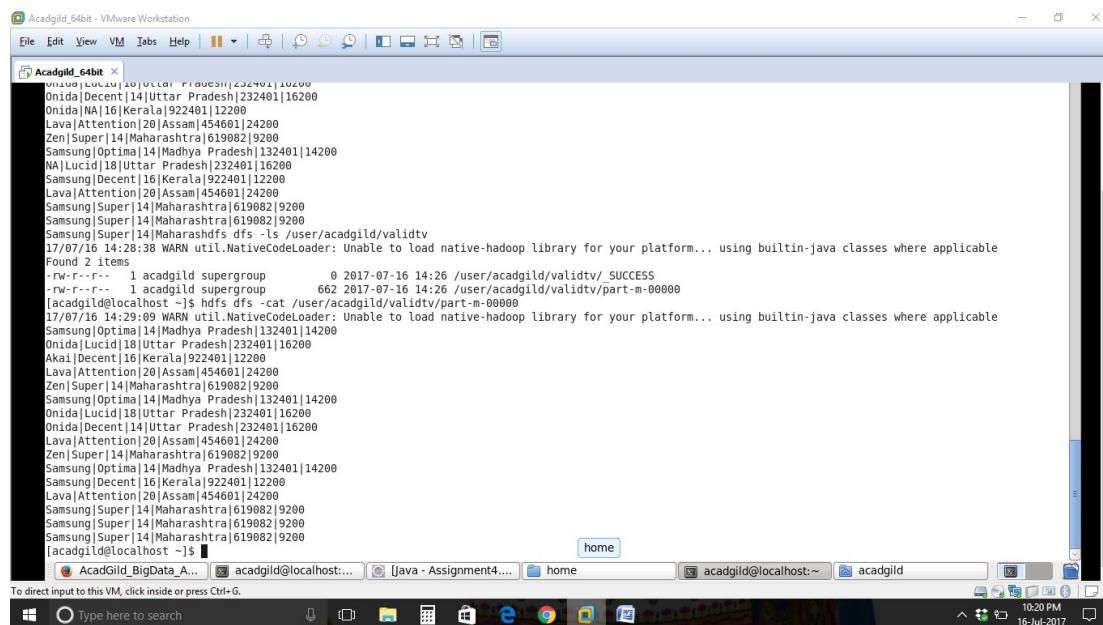
Output file in HDFS



The screenshot shows a terminal window titled "Acadgild_64bit" within a VMware Workstation environment. The terminal displays the output of a command to list the contents of a directory in HDFS. The output includes file names, sizes, and permissions, along with a warning message about the native-hadoop library. The terminal also shows the command prompt and the user's input.

```
Acadgild_64bit
File Edit View VM Help
Acadgild_64bit
hadoop map outputs=0
GC time elapsed (ms)=152
CPU time spent (ms)=1030
Physical memory (bytes) snapshot=83193056
Virtual memory (bytes) snapshot=2059751424
Total committed heap usage (bytes)=30474240
File Input Format Counters
  Bytes Read=733
File Output Format Counters
  Bytes Written=662
[acadgild@localhost ~]$ hdfs dfs -cat /user/acadgild/television/television.txt
17/07/16 14:28:08 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Samsung|Optima|14|Madhya Pradesh|132401|14200
Onida|Lucid|18|Uttar Pradesh|232401|16200
Akai|Decent|16|Kerala|922401|12200
Lava|Attention|20|Assam|454601|24200
Zen|Super|14|Maharashtra|619082|9200
Samsung|Optima|14|Madhya Pradesh|132401|14200
Onida|Lucid|18|Uttar Pradesh|232401|16200
Onida|Decent|14|Uttar Pradesh|232401|16200
Onida|NA|16|Kerala|922401|12200
Lava|Attention|20|Assam|454601|24200
Zen|Super|14|Maharashtra|619082|9200
Samsung|Optima|14|Madhya Pradesh|132401|14200
NA|Lucid|18|Uttar Pradesh|232401|16200
Samsung|Decent|16|Kerala|922401|12200
Lava|Attention|20|Assam|454601|24200
Samsung|Super|14|Maharashtra|619082|9200
Samsung|Super|14|Maharashtra|619082|9200
Samsung|Super|14|Maharashtra|619082|9200
17/07/16 14:28:38 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 2 items
-rw-r--r-- 1 acadgild supergroup 0 2017-07-16 14:26 /user/acadgild/validtv/ SUCCESS
-rw-r--r-- 1 acadgild supergroup 662 2017-07-16 14:26 /user/acadgild/validtv/part-m-00000
[acadgild@localhost ~]$
```

Contents of output file



The screenshot shows a terminal window titled "Acadgild_64bit" within a VMware Workstation environment. The terminal displays the output of a command to list the contents of a directory in HDFS. The output includes file names, sizes, and permissions, along with a warning message about the native-hadoop library. The terminal also shows the command prompt and the user's input.

```
Acadgild_64bit
File Edit View VM Help
Acadgild_64bit
Onida|Decent|14|Uttar Pradesh|232401|16200
Onida|Decent|14|Uttar Pradesh|232401|16200
Onida|NA|16|Kerala|922401|12200
Lava|Attention|20|Assam|454601|24200
Zen|Super|14|Maharashtra|619082|9200
Samsung|Optima|14|Madhya Pradesh|132401|14200
NA|Lucid|18|Uttar Pradesh|232401|16200
Samsung|Decent|16|Kerala|922401|12200
Lava|Attention|20|Assam|454601|24200
Zen|Super|14|Maharashtra|619082|9200
Samsung|Super|14|Maharashtra|619082|9200
Samsung|Super|14|Maharashtra|619082|9200
Samsung|Super|14|Maharashtra|619082|9200
17/07/16 14:28:38 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 2 items
-rw-r--r-- 1 acadgild supergroup 0 2017-07-16 14:26 /user/acadgild/validtv/ SUCCESS
-rw-r--r-- 1 acadgild supergroup 662 2017-07-16 14:26 /user/acadgild/validtv/part-m-00000
[acadgild@localhost ~]$ hdfs dfs -cat /user/acadgild/validtv/part-m-00000
17/07/16 14:29:09 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Samsung|Optima|14|Madhya Pradesh|132401|14200
Onida|Lucid|18|Uttar Pradesh|232401|16200
Akai|Decent|16|Kerala|922401|12200
Lava|Attention|20|Assam|454601|24200
Zen|Super|14|Maharashtra|619082|9200
Samsung|Optima|14|Madhya Pradesh|132401|14200
Onida|Lucid|18|Uttar Pradesh|232401|16200
Onida|Decent|14|Uttar Pradesh|232401|16200
Lava|Attention|20|Assam|454601|24200
Zen|Super|14|Maharashtra|619082|9200
Samsung|Optima|14|Madhya Pradesh|132401|14200
Samsung|Decent|16|Kerala|922401|12200
Lava|Attention|20|Assam|454601|24200
Samsung|Super|14|Maharashtra|619082|9200
Samsung|Super|14|Maharashtra|619082|9200
Samsung|Super|14|Maharashtra|619082|9200
[acadgild@localhost ~]$
```