

Write Map Reduce program for following tasks.

Task 1

Find the number of unique listeners in the data set.

Task 2

What are the number of times a song was heard fully.

Task 3

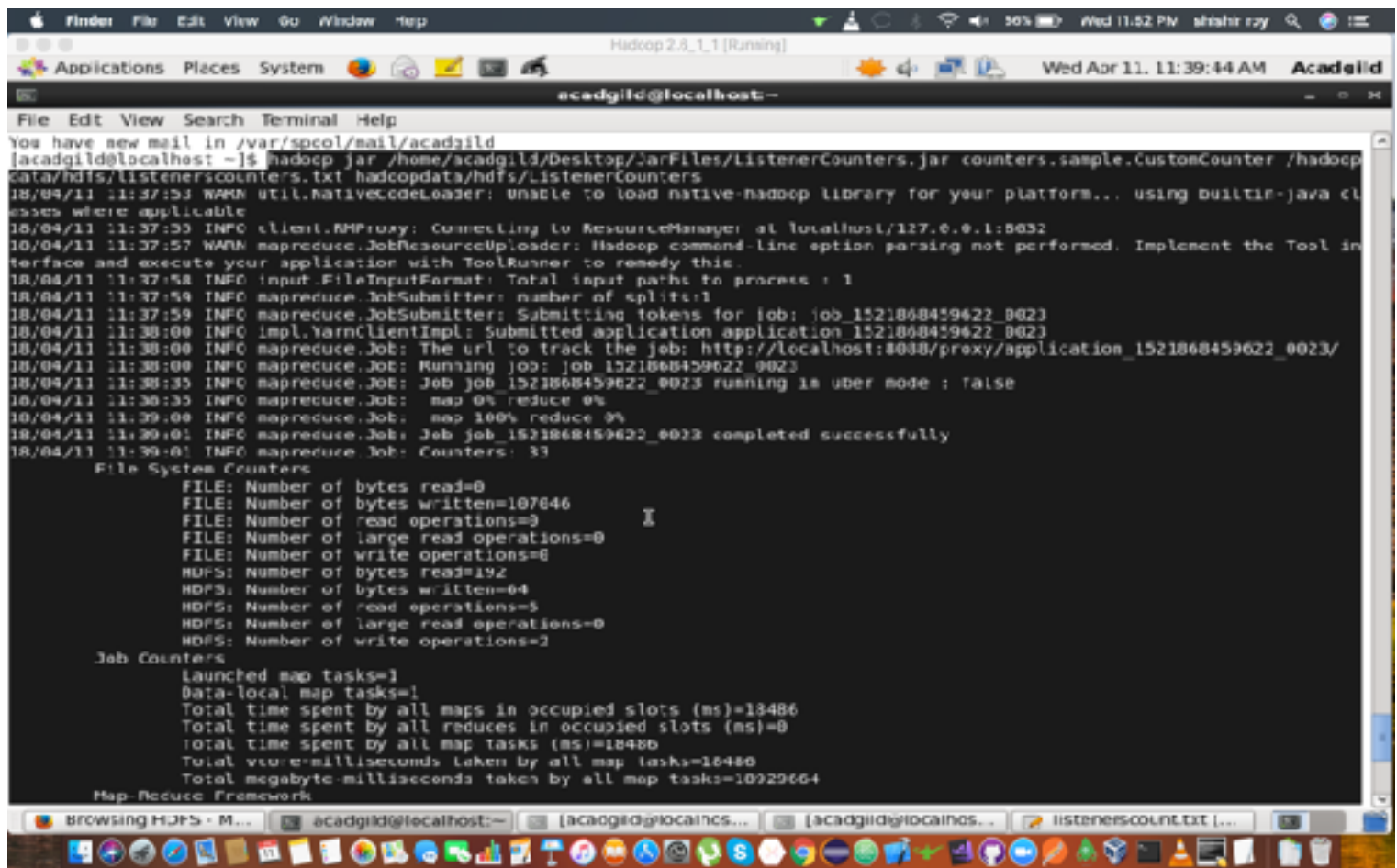
What are the number of times a song was shared.

Put musicdata.txt file into hadoop file system

```
hadoop -fs put /home/acadgild/musicdata.txt /hadoopdata/hdfs/musicdata
```

Executing jar file for all tasks

```
hadoop jar /home/acadgild/Desktop/JarFiles/Counters.jar mapreduce.demo.counters.customcounter /  
hadoopdata/hdfs/musicdata.txt /hadoopdata/hdfs/musicdata
```



```
acadgild@localhost:~$ hadoop jar /home/acadgild/Desktop/JarFiles/ListenerCounters.jar counters.sample.CustomCounter /hadoopdata/hdfs/listenerscounters.txt /hadoopdata/hdfs/ListenerCounters
18/04/11 11:37:53 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
18/04/11 11:37:55 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032
18/04/11 11:37:57 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your application with ToolRunner to remedy this.
18/04/11 11:37:58 INFO input.FileInputFormat: Total input paths to process : 1
18/04/11 11:37:59 INFO mapreduce.JobSubmitter: number of splits:1
18/04/11 11:37:59 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1521868459622_0023
18/04/11 11:38:00 INFO impl.YarnClientImpl: Submitted application application_1521868459622_0023
18/04/11 11:38:00 INFO mapreduce.Job: The url to track the job: http://localhost:8088/proxy/application_1521868459622_0023/
18/04/11 11:38:00 INFO mapreduce.Job: Running job: job_1521868459622_0023
18/04/11 11:38:35 INFO mapreduce.Job: Job job_1521868459622_0023 running in uber mode : false
18/04/11 11:38:35 INFO mapreduce.Job: map 0% reduce 0%
18/04/11 11:39:00 INFO mapreduce.Job: map 100% reduce 0%
18/04/11 11:39:01 INFO mapreduce.Job: Job job_1521868459622_0023 completed successfully
18/04/11 11:39:01 INFO mapreduce.Job: Counters: 33
  File System Counters
    FILE: Number of bytes read=0
    FILE: Number of bytes written=107646
    FILE: Number of read operations=0
    FILE: Number of large read operations=0
    FILE: Number of write operations=0
    HDFS: Number of bytes read=192
    HDFS: Number of bytes written=64
    HDFS: Number of read operations=5
    HDFS: Number of large read operations=0
    HDFS: Number of write operations=2
  Job Counters
    Launched map tasks=1
    Data-local map tasks=1
    Total time spent by all maps in occupied slots (ms)=18486
    Total time spent by all reduces in occupied slots (ms)=0
    Total time spent by all map tasks (ms)=18486
    Total vcore-milliseconds taken by all map tasks=18486
    Total megabyte-milliseconds taken by all map tasks=1829264
  Map-Reduce Framework
```

