

Task 1: Find the number of unique listeners in the data set.

Advance Mapreduce:

```
[acadgild@localhost ~]$ hadoop jar AdvMapreduceTask1.jar /Songs.txt /Songs1
Not a valid JAR: /home/acadgild/AdvMapreduceTask1.jar
[acadgild@localhost ~]$ cd Desktop
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost Desktop]$ hadoop jar AdvMapreduceTask1.jar /Songs.txt /Songs1
18/05/16 10:26:48 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
18/05/16 10:26:52 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032
18/05/16 10:26:55 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your application with ToolRunner to remedy this.
18/05/16 10:26:56 INFO client.JobClientFormater: Total input paths to process: 1
```

O/p folder:

```
[acadgild@localhost Desktop]$ hadoop fs -ls /
18/05/16 10:28:16 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 14 items
-rw-r--r-- 1 acadgild supergroup 2819 2018-05-15 12:56 /MapreduceTVSales.jar
-rw-r--r-- 1 acadgild supergroup 70 2018-05-15 16:09 /Songs.txt
drwxr-xr-x - acadgild supergroup 0 2018-05-16 10:27 /Songs1
drwxr-xr-x - acadgild supergroup 0 2018-05-15 16:16 /SongsUnique
drwxr-xr-x - acadgild supergroup 0 2018-05-15 12:51 /mybigoutput
drwxr-xr-x - acadgild supergroup 0 2018-02-02 12:49 /sqoopout111
-rw-r--r-- 1 acadgild supergroup 733 2018-05-15 13:00 /television.txt
drwxr-xr-x - acadgild supergroup 0 2018-05-15 13:37 /televisionSoldByCompany
drwxr-xr-x - acadgild supergroup 0 2018-05-15 13:46 /televisionState
drwxr-xr-x - acadgild supergroup 0 2018-05-15 13:02 /televisionop
drwxr-xr-x - acadgild supergroup 0 2018-05-15 13:11 /televisionopNew
-rw-r--r-- 1 acadgild supergroup 33 2018-05-15 12:49 /test.txt
drwxrwx--- - acadgild supergroup 0 2018-02-09 11:35 /tmp
drwxr-xr-x - acadgild supergroup 0 2018-02-09 14:50 /user
```

Cat to check o/p:

```
drwxr-xr-x - acadgild supergroup 0 2018-02-09 14:50 /user
[acadgild@localhost Desktop]$ hadoop fs -ls /Songs1
18/05/16 10:28:49 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 2018-05-16 10:27 /Songs1/ SUCCESS
-rw-r--r-- 1 acadgild supergroup 27 2018-05-16 10:27 /Songs1/part-r-00000
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost Desktop]$ hadoop fs -cat /Songs1/part-r-00000
18/05/16 10:29:16 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
111113 1
111115 1
111117 1
[acadgild@localhost Desktop]$
```

Task 2:

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

```
3564 NodeManager
[acadgild@localhost ~]$ hadoop jar AdvMapreduceTask2.jar /Songs.txt /Songs2
Not a valid JAR: /home/acadgild/AdvMapreduceTask2.jar
[acadgild@localhost ~]$ cd Desktop
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost Desktop]$ hadoop jar AdvMapreduceTask2.jar /Songs.txt /Songs2
18/05/16 10:30:37 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 2018-05-19 05:29 /Songs2/ SUCCESS
-rw-r--r-- 1 acadgild supergroup 17 2018-05-19 05:29 /Songs2/part-m-00000
You have new mail in /var/spool/mail/acadgild
```

```
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost TestHadoop]$ hadoop fs -cat /Songs2/part-m-00000
18/05/19 05:31:00 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
111117|223|0|1|1
```

Task 3: Task 2

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

```
[acadgild@localhost TestHadoop]$ hadoop jar AdvMapreduceTask3.jar /Songs.txt /Songs3
18/05/19 05:31:31 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
18/05/19 05:31:35 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032
18/05/19 05:31:38 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your application with ToolRunner to remedy this.
```

```
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost TestHadoop]$ hadoop fs -cat /Songs3/part-m-00000
18/05/19 05:32:31 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
111113|225|1|0|0
111115|225|1|0|0
[acadgild@localhost TestHadoop]$ █
```