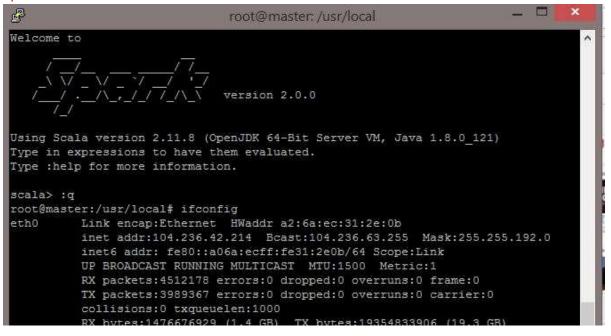
Mini Project 2

1- Spark Shell



2- Task 2

```
|artistID|sum(weight)|
1289
         2393140
         |1301308
172
189
         11291387
292
         11058405
         1963449
1498
         1921198
167
1288
         1905423
1701
         1688529
         |662116
1227
         1532545
1300
only showing top 10 rows
17/03/31 00:45:11 INFO spark.SparkContext: Invoking stop() from shutdown hook
17/03/31 00:45:11 INFO server.ServerConnector: Stopped ServerConnector@2c44c8db{
HTTP/1.1}{0.0.0.0:4040}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@7b139eab{/stages/stage/kill,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@30ea8c23{/api,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@2cf92cc7{/,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
```

```
288
         1905423
701
         1688529
1227
         |662116
         1532545
1300
only showing top 10 rows
17/03/31 00:45:11 INFO spark.SparkContext: Invoking stop() from shutdown hook
17/03/31 00:45:11 INFO server.ServerConnector: Stopped ServerConnector@2c44c8db{
HTTP/1.1}{0.0.0.0:4040}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@7b139eab{/stages/stage/kill,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@30ea8c23{/api,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@2cf92cc7{/,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@64337702{/static,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@76c7beb3{/executors/threadDump/json,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@751d3241{/executors/threadDump,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@3f2ef586{/executors/json,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@756cf158{/executors,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@2f058b8a{/environment/json,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@6175619b{/environment,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@165b8a71{/storage/rdd/json,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@7fd4acee{/storage/rdd,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@5b970f7{/storage/json,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@1a1da881{/storage,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@119f1f2a{/stages/pool/json,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@1a1da881{/storage,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@119f1f2a{/stages/pool/json,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@3d08f3f5{/stages/pool,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@55795845{/stages/stage/json,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@4fe89c24{/stages/stage,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@5dbe30be{/stages/json,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@89c10b7{/stages,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@72bd06ca{/jobs/job/json,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@625e134e{/jobs/job,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@5cc126dc{/jobs/json,null,UNAVAILABLE}
17/03/31 00:45:11 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHan
dler@7e809b79{/jobs,null,UNAVAILABLE}
17/03/31 00:45:11 INFO ui.SparkUI: Stopped Spark web UI at http://104.236.42.214
17/03/31 00:45:11 INFO cluster. YarnClientSchedulerBackend: Interrupting monitor
```

3- Task 3:

Note: Time is in Seconds

Without using cached RDD

a. How many hits were made to the website item "/assets/js/lowpro.js"?

293

```
assets/is/lowpro.is 293
7/03/31 01:25:00 INFO spark.SparkContext: Invoking stop() from shutdown hook
 /03/31 01:25:00 INFO server.ServerConnector: Stopped ServerConnector@6f0d554{HTTP/1.1}{0.0.0.0:4040}
7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@6326d182{/stages/stage/
 7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@475835b1{/api,null,UNA
7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4fad94a7{/,null,UNAVAIL#
7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@36b0fcd5{/static,null,UN
7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4eed46ee{/executors/thre
7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@fd0e5b6{/executors/threa
7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@52b56a3e{/executors/json
7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4c168660{/executors,null
7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@3c0fae6c{/environment/js
.7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@649725e3{/environment,nu
17/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@757d6814{/storage/rdd/js
7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@2c1b9e4b{/storage/rdd,nu
7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@c7a975a{/storage/json,nu
7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@743cb8e0{/storage,null,U
 /03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@235f4c10{/stages/pool/js
 7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@7fcbe147{/stages/pool,nu
 /03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@44c79f32{/stages/stage/
7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@6256ac4f{/stages/stage,n
7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@2a1edad4{/stages/json,nu
7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4ebea12c{/stages,null,UN
7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@1536602f{/jobs/job/json
7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@25ddbbbb{/jobs/job,null,
.7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@43b4fe19{/jobs/json,null
.7/03/31 01:25:00 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@6e16b8b5{/jobs,null,UNAV
  03/31 01:25:00 INFO ui.SparkUI: Stopped Spark web UI at http://104.236.42.214:4040
```

With cache:

```
assets/js/lowpro.js 293
17/03/31 02:04:03 INFO spark.SparkContext: Invoking stop() from shutdown hook
17/03/31 02:04:03 INFO server.ServerConnector: Stopped ServerConnector@5f1da3e{HTTP/1.1}{0.0.0.0:4040
.7/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@6326d182{/stages
.7/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@475835b1{/api,nu
17/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4fad94a7{/,null,
17/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@36b0fcd5{/static
17/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4eed46ee{/execut
17/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@fd0e5b6{/executo
17/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@52b56a3e{/execut
17/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4c168660{/execut
 7/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@3c0fae6c{/environ
17/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@649725e3{/environ
17/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@757d6814{/storag
17/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@2c1b9e4b{/storag
17/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@c7a975a{/storage
17/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@743cb8e0{/storage
 7/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@235f4c10{/stages
 7/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@7fcbe147{/stages
17/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@44c79f32{/stages
17/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@6256ac4f{/stages
17/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@2a1edad4{/stages
17/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4ebea12c{/stages
17/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@1536602f{/jobs/j
                  INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@25ddbbbb{/jobs/jo
7/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@43b4fe19{/jobs/j
.7/03/31 02:04:03 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@6e16b8b5{/jobs,n
7/03/31 02:04:03 INFO ui.SparkUI: Stopped Spark web UI at http://104.236.42.214:4040
```

b. How many hits were made to the website item "/favicon.ico"? 66831

```
INFO scheduler.DAGScheduler: Job v Finished: collect at AccessLogz.ja
favicon.ico 66831
4411012
Timetaken: 73
17/03/31 01:30:28 INFO spark.SparkContext: Invoking stop() from shutdown hook
17/03/31 01:30:28 INFO server.ServerConnector: Stopped ServerConnector@24a11c1{HTTP/1.1
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@632
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@47
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4fa
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@36b
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4ee
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@fd0
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@52k
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4c1
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@3c0
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@649
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@75
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@2c1
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@c7a
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@743
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@235
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@7fc
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@44c
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@62
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@2a1
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4ek
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@153
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@25c
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@43h
17/03/31 01:30:28 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@6e1
17/03/31 01:30:28 INFO ui.SparkUI: Stopped Spark web UI at http://104.236.42.214:4040
```

c. Which path in the website has been hit most? How many hits were made to the path?

```
7/03/31 01:46:09 INFO scheduler.DAGScheduler: Job 1 finished: take at Accesslog3.java:
117348 /assets/css/combined.css
Timetaken: 79
17/03/31 01:46:09 INFO spark.SparkContext: Invoking stop() from shutdown hook
17/03/31 01:46:09 INFO server.ServerConnector: Stopped ServerConnector@5b6813df{HTTP/1
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@71
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@52
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@63
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@47
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4f
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@36
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4e
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@fd
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@52
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4c
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@3c
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@64
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@75
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@2c
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@c7
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@74
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@23
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@7f
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@44
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@62
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@2a
17/03/31 01:46:09 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4e
17/03/31 01:46:10 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@15
17/03/31 01:46:10 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@25
17/03/31 01:46:10 INFO ui.SparkUI: Stopped Spark web UI at http://104.236.42.214:4040
```

d. Which IP accesses the website most? How many accesses were made by it?

```
158613 10.216.113.172
Timetaken: 90
17/03/31 01:49:32 INFO spark.SparkContext: Invoking stop() from shutdown hook
17/03/31 01:49:32 INFO server.ServerConnector: Stopped ServerConnector@6a988392{HTTP/1.1
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@632
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@475
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4fa
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@36b
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4ee
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@fd0
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@52b
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4c1
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@3c0
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@649
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@757
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@2c1
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@c7a
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@743
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@235
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@7fc
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@44c
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@625
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@2a1
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4eb
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@153
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@25d
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@43b
17/03/31 01:49:32 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@6e1
17/03/31 01:49:32 INFO ui.SparkUI: Stopped Spark web UI at http://104.236.42.214:4040
```

Task 3: part 2:

Loading the file every time to calculate counts

It took more time. I found the time difference of 15 seconds. I forgot to take the screen shot for the first time I ran it. When I tried it second time it is giving memory issue. So, I am unable to put screen shot for this one only.

Loading once and filtering in the middle

```
imetaken: 77
7/03/31 02:53:08 INFO spark.SparkContext: Invoking stop() from shutdown hook
7/03/31 02:53:08 INFO server.ServerConnector: Stopped ServerConnector@6a988392{HTTP/1.1}{0.0.0
7/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@6326d182{/
17/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@475835b1{/
17/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4fad94a7{/
17/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@36b0fcd5{/
7/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4eed46ee{/
7/03/31 02:53:08 INFO handler.ContextHandler:
                                                  Stopped o.s.j.s.ServletContextHandler@fd0e5b6{/
7/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@52b56a3e{
7/03/31 02:53:08 INFO handler.ContextHandler:
                                                  Stopped o.s.j.s.ServletContextHandler@4c168660{
7/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@3c0fae6c{/
7/03/31 02:53:08 INFO handler.ContextHandler:
                                                  Stopped o.s.j.s.ServletContextHandler@649725e3{
7/03/31 02:53:08 INFO handler.ContextHandler:
                                                  Stopped o.s.j.s.ServletContextHandler@757d6814{
                  INFO handler.ContextHandler:
                                                  Stopped o.s.j.s.ServletContextHandler@2c1b9e4b{
7/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@c7a975a{/s
7/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@743cb8e0{/s
7/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@235f4c10{/
.7/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@7fcbe147{/s
7/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@6256ac4f{/
7/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@2aledad4{/
7/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@4ebea12c{/:
7/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@1536602f{/
7/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@25ddbbbb{/
7/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@43b4fe19{/
 7/03/31 02:53:08 INFO handler.ContextHandler: Stopped o.s.j.s.ServletContextHandler@6e16b8b5{/
7/03/31 02:53:08 INFO ui.SparkUI: Stopped Spark web UI at http://104.236.42.214:4040
```

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Note: Readme file is in zip folder.

References:

http://spark.apache.org/docs/latest/programming-guide.html

http://spark.apache.org/examples.html

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