

Fig 1 Command + Output:

```
[root@ip-10-0-0-212 ~]# hadoop fs -cat
/user/root/pigoutput/PigOutput1.out/part*
2      2017-10-01 00:15:30      2017-10-01 00:25:11      1      2.17      1
N      141      142      1      9.0      0.5      0.5      2.06      0.0      0.3
12.36
```

```
#####
#####
```

Fig 2 Command + Output for Count of Lines:

```
[root@ip-10-0-0-212 ~]# hadoop fs -cat
/user/root/pigoutput/PigOutput2.out/part* |wc -l
31029
```

```
#####
#####
```

Fig 3 Command + Output:

```
[root@ip-10-0-0-212 ~]# hadoop fs -cat
/user/root/pigoutput/PigOutput3.out/part*
4      85287
3      292090
2      17648209
1      36492406
```

```
#####
#####
```

Spark 1 Command + Output:

```
[root@ip-10-0-0-212 ~]# hadoop fs -cat
/user/root/spark_assignment/sparkoutput/que1_1out/part*
2,2017-10-01 00:15:30,2017-10-01
00:25:11,1,2.17,1,N,141,142,1,9,0.5,0.5,2.06,0,0.3,12.36
```

```
#####
#####
```

Spark 2 Command + Output for Count of Lines:

```
[root@ip-10-0-0-212 ~]# hadoop fs -cat
/user/root/spark_assignment/sparkoutput/que_2out/part* |wc -l
31029
```

```
#####
#####
```

Spark 3 Command + Output:

```
[root@ip-10-0-0-212 ~]# hadoop fs -cat
/user/root/spark_assignment/sparkoutput/que3out/part*
(4,85287)
(3,292090)
(2,17648209)
(1,36492406)
```


#####