Name: Arun Kumar N
Student ID : 2017CBDE030
Spark Assignment

Pig Output: (EC2 Data)

Single Row Lookup:

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	

Group By:

4	85287
3	292090
2	17648209
1	36492406

Spark Output: (EC2 Data)

Single Row Lookup:

18/05/03 05:12:34 WARN spark.SparkContext: Requesting executors is only supporte
d in coarse-grained mode

[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]

GroupBy

4	85287
3	292090
2	17648209
1	36492406

Spark Output(Sample 2 MB Data)

Single Row Lookup:

```
[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]
[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]
[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]
[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]
[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]
[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]
```

GroupBy

```
4:396
3:2484
2:7452
1:14322
```

PIG Output(Sample 2MB data)

Single Row Lookup:

```
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

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

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

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

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

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
```

GroupBy

```
4:396
3:2484
2:7452
1:14322
```